Top-End Machines • Premium Lineup • Find the right Smithy for you!

**A COMPLETE Machine Shop For Your Benchtop!**

**PRICE SPECIALS!**
SEE PG. 31 FOR SPECIAL PROMO PRICES
AND CHECK OUT OUR WEBSITE!
Smithy 3-in-1 Combo Machine Tools give you a complete machine shop on your benchtop!

Dear Machining Friend,

THANK YOU for asking about Smithy’s 3-in-1 line of Lathe-Mill-Drill machines! You’re about to learn why Smithy is America’s Uniquely Different & Better Machining Solution!

The Smithy 3-in-1 Combo tools combine all 3 fundamental machining operations in one compact chassis. It’s literally three machines in one - a lathe, mill, and drilling machine.

Your Smithy will Pay for Itself - Guaranteed - because you’ll SAVE money & time, and MAKE money, too.

Now you can make and repair parts yourself - in your own shop! No more waiting or paying a big bill to a machine shop. Real stories from Smithy customers are spread throughout this catalog showing how they make money with their Smithy machines, and you can too! Some folks have even paid for their Smithy with their first job!

Smithy Tools are known for highest quality and premium features only found on industrial-grade tools.

Smithy machines are “Tools for a Lifetime”. Smithy equipment is #1 quality because we designed and built them from the ground up to be that way. These tools are DESIGNED TO LIGHT INDUSTRIAL STANDARDS FOR TOLERANCE AND PRECISION!

Backed by technical & customer service, Smithy is here for you before and after the sale.

Now as a special offer to you, we are offering machines at a special DISCOUNT price. Depending on the machine, you could SAVE up to $1,100 on a machine and also get a FREE Quick Start Tool Pack, a value of up to $1,045.23! This is a call-in offer, so Call Us Now at 1-800-476-4849 to take advantage of this special offer and we will send your new Smithy right away.

Thanks again for considering our Smithy products.

Joe Christensen, President

Call Us at 1-800-476-4849

Guess What – Machining is EASY!

ALL MACHINING is based on 3 simple operations.

1. LATHE TURNING

Use the Smithy’s LATHE to cut and shape round or cylindrical pieces from materials as hard as high-carbon steel or as soft as wood. Make finish cuts and cut threads. Turn cones, rods, shafts, pins, bolts, more. Do straight and tapered turning, facing, knurling, cutting off, drilling, boring, reaming, and more.

LATHE turns horizontally.

2. MILLING

With the Smithy’s MILL, you’ll cut and smooth flat surfaces, slots, and angles. Use the micro-feed to create mirror-smooth surfaces. Cut shoulders, grooves, key-ways, slots, dovetails, gear teeth, and more.

MILL turns vertically.

3. DRILLING

Use the Smithy’s DRILL PRESS to drill, ream, and bore. It has all the capabilities of a standard drill press. Drill and mill interchangeably on the same project without resetting your work. Create precision holes up to 1.5” diameter. Counterbore, countersink, tap, hone, lap, and more.

DRILL moves up & down.
ALL OTHER PROCESSES are variations of turning, milling, and drilling techniques

CUTTING & CHASING THREADS
Machinists cut threads for threaded rods, bolts, and other workpieces frequently. You can create a number of different screw pitches - inch or metric pitches, right- and left-handed threads. Your Smithy can do it all!

LATHE FACING
Shape the face of a disk by cutting across the workpiece in the lathe chuck. Or, cut an angle by adjusting the toolpost’s angle. It’s an easy way to cut shoulders, resurface flywheels or disk brakes, and more.

LATHE BORING
Need to bore a large hole for a small engine cylinder, hydraulic cylinder, or rifle chamber? Use a boring bar mounted in the toolpost to get the job done quickly and accurately.

HORIZONTAL DRILLING
Mount a drill chuck into the lathe’s tailstock: now it’s a horizontal drill press. The headstock turns your project as you turn the tailstock handwheel, feeding the drill bit into your work.

TURNING BETWEEN CENTERS
Folks ask us all the time, “Can I turn between centers with a Smithy?” The answer is YES. Even though it takes a little longer for the initial setup, you’re paid back with increased accuracy and ease.

Smithy 3-in-1 machines give you ESSENTIAL FUNCTIONS in one quality machine!

All nine Smithy Granite machines are 3-in-1 Lathe-Mill-Drills. Using these three functions, you can perform virtually every machining operation ever devised. Which one’s right for you? See pages 16 and 17 to help you decide.

Everything you need to know about X, Y, & Z axes:
X Axis is the left/right plane: travel up and down the length of the Smithy’s bed.
Y Axis is the forward/back plane: travel toward or away from the operator.
Z Axis is the vertical plane: move closer to and away from the mounting surface.

The Smithy’s manual and automatic feeds control the travel of tools and workpieces along all three axes with precision up to +/-0.0005” (Granite) or +/-0.001” (Midas). When you control all three axes - left/right, forward/back, up/down - you control all three dimensions of the workpiece and the cuts made to it.

Visit Us at www.smithy.com
SMITHY’S Features GUARANTEE Your Machining Success

1. Adjustable Height Millhead
   allows you to raise and lower the millhead to accommodate larger or smaller workpieces and set-ups.

2. Main Power Control
   is conveniently located. It has a forward/reverse toggle and push button on/off switch.

3. Quick Change Gear Box
   allows you to change both the feed-rate and thread pitch quickly and easily.

4. Rack and Pinion
   allows the user to quickly and easily position the machine’s carriage.

5. Half Nut & Threading Dial
   engages travel along the X-axis for single-point threading. The combination of the half nut and threading dial allows you to cut threads like a master machinist.

6. Powerfeed Engagement
   engages the X (longitudinal) or Y (lateral/cross) axis powerfeed for smooth finishes. (Note: MI-1220 XL only has powerfeed on the X-axis.)

7. Crash Protection System
   Unique shear pin design protects your machine from major damage if the machine is run past its limits of travel.

8. Tallstock
   With 3” barrel travel on all Granite machines, drill, ream and bore deeper holes. (Note: 2” barrel travel on Midas machines.)

9. Drill Press/Fine Feed Selector
   is simple to use. Press the selector IN to change from drill press mode to fine feeding with your mill. Pull the selector OUT to use your Smithy as a drill press.

10. Rotating Millhead
    on all Granite machines can rotate a full 360 degrees to give you more room when you are using your lathe. (Note: Millhead on MI-1220 LTD rotates 180 degrees.)

11. Extended Millhead
    supports larger workpieces for more efficient milling operations. Standard on Granite MAX and I-MAX models.

12. Variable Speed Drive
    with infinitely variable speeds. Adjustment is quick and easy, like turning up the volume on a radio. Increases operation efficiency and safety.
Smithy leads the light industrial class.

Full-size industrial machining equipment is too big for home and light industrial shops, and hobby equipment is too small for serious use. Smithy machines fit the needs of small shop owners.

The Smithy is a compact, light industrial machine - the right size and price for home and business. You get the broadest choice of features and models, with top value; plus more features, higher precision, and better quality than any other brand.

Prove it to yourself - RISK FREE.

Seeing (and trying) is believing. Pick up your Smithy and try it yourself, right in your own shop. Put it to the test - really work it for a full month. If you’re not 100 percent satisfied, return it and we’ll refund your full purchase price. We couldn’t make this offer if we received back many returns!

Time-tested design - easiest to use.

In nearly 24 years in the machining equipment business, we’ve constantly refined and enhanced the design, features, and operating ease of our machines. Today’s Smithy is well known as the best-quality, best-selling, easiest-to-use equipment in its class.

You can choose from nine Smithy 3-in-1 models. Specific features vary to suit the end use of each machine, but every Smithy has top-value design in common: each one is the best in its class, with time-tested, heavy-duty, well-conceived, and well-built features.

We strictly control quality.

The Smithy is the result of a long and careful engineering, review, and enhancement process. We partner with ISO 9001-accredited factories and control the design, engineering, manufacturing, and quality with a Smithy inspector on the factory floors.

BEWARE of buying machines from discount catalogs.

A discount catalog is no place to buy something as PRECISE as machining equipment needs to be. Salvage machines sell at low prices because the quality is poor. They buy low-quality machines “off-the-shelf” and switch suppliers when they find a lower price. Accessories are limited or unavailable - and so is product knowledge.

Decoding Smithy Model Numbers

Smithy model numbers tell you the swing (diameter the machine can cut) and the distance between centers. For example, the Smithy Granite 1340 MX on the opposite page has a 13” swing and 40” between centers.
WHO uses Smithy machining equipment?

HOMEOWNERS Fix ANYTHING around your home, yard, garage, including cars, appliances, toys, plumbing, more. Ron put obsolete windows in working order.
“I made the small plastic parts I needed to repair my vintage aluminum windows with my Smithy.”
Ronald B., OH

GUNSMITHS Machine nearly everything on a rifle, shotgun, pistol, or revolver with a Smithy. Mill sights, jewel a rifle bolt, taper, chamber a barrel, and even more.
Bob wants only the best.
“I require the best equipment to make the best guns. The Smithy does that for me.”
Bob M., MT

MODEL MAKERS Build motor mounts, drivetrain parts, custom wheels, and deck fittings. Go all out and replace plastic parts with metal.
James finds building trains easy & fun.
“I build model trains. I use my Midas to work on axles and that sort of thing. It’s easy and fun to use.”
James F., CO

RACERS Make or repair parts for racing cars, motorcycles, boats, and more. Ask the winner at your next race: he probably owns a Smithy!
Ace says his Smithy is great for go-karts.
“I’ve used the Midas 1220 for several years to fine-tune my go-karts.”
John “Ace” L., NJ

WOODWORKERS The Smithy works wood, too! Turn round or square wooden workpieces with less chatter and vibration than light, ordinary wood lathes.
Jim made 28 bowls on his Smithy.
“I am very satisfied and recommend the Smithy to anyone. I’ve made 28 bowls of various sizes and materials: walnut, pecan, cherry, ash, oak, more.”
Jim D., OK

ALL KINDS OF INVENTIVE PEOPLE!
Smithy owners are clever, motivated, and downright ingenious. Owners are making underwater diving apparatus, fishing reels, telescopes, and much more!

HERE’S WHAT HAPPENS when a clever man gets a Smithy!

HE TURNED A HOBBY INTO A CREATIVE & REWARDING BUSINESS.

His Smithy Paid for Itself in the First Year
“What started out as a hobby for me has turned into a business. I started ‘souping up’ fishing reels for long casting competitions and when others saw how far they could cast, they started buying them. I didn’t expect it to turn into a business, but now I sell custom reels all over the world.

Since I was a young boy, I have been fascinated by the machine shop. I started racing for Suzuki of Hawaii several years ago and watching others modify my Vale bike rekindled my interest in machine work. I knew I could do it myself with the right tools. I bought a Smithy Granite 1324 and did it myself. And that was just the beginning.

Precision Casting Over 200 Yards
I used my Smithy to modify fishing reels, then I decided to make my own reels from scratch, which has evolved into my own business, “Island Rocket Reels.” While learning how to customize my own fishing equipment, I developed knowledge of the components plus gained experience and expertise on everything from installing my own magnets to custom building an entire reel.

In long casting competitions, both distance and speed are essential. My reels go from 0 to 4,000 RPM in seconds and cast over 200 yards.

I make all the parts on my Smithy. The spool is aluminum to keep the weight low and the reels and ratchets are titanium. I was using stainless but, for my application, stainless is too heavy. I need to keep everything as light as possible and I need to hold close tolerance to get long distance.
Guaranteed to Pay Its Own Way

DON’T FALL FOR INFERIOR, “LOOK-ALIKE” MACHINES!

This machine LOOKS like a genuine Smithy but it’s merely a discount catalog knock-off. It boasts a big 17” swing, but its headstock and chuck are too small. The short bed doesn’t provide enough mass for dampering so it vibrates. The undersized bearings wear out too quickly. The chuck is too small for large work and it may be IMPOSSIBLE to find larger ones that fit. Components are low quality: threads, castings and finish are rough; electrical design is incomplete.

The high, like quill makes accuracy milling difficult. High quill requires a high toolpost placement. High toolpost and vibration-prone construction deflect (bend) which seriously diminishes accuracy.

Tricks of the Trade

For my ultralight reels, I start with a solid 3” piece of T6 aluminum bar and 1/2” and 3/4” titanium bars. I turn the 1/2” titanium bar first for the spindle. I thread and mount it on the Smithy table to mill small driving flats. Next, I turn the 3” T6 at both ends and bore a 3/8” hole through the T6. I press and epoxy the spindle to the T6. This assembly is then mounted on a special driving tool I made on the Smithy. The spool is mounted on the rotary table and the side holes are drilled to lighten the spool even more. I then turn down the 3/4” titanium bar to size and thread it with another tool I made for the rotary table. I mount it and make the ratchet. Then a friend does anodizing for me.

Built His Business with a Smithy

I have made many of my own tools. My Granite makes my work easy and lot more fun. The Smithy helped build my business; in fact it paid for itself the first year I bought it. The machine gave me the precision I needed to build the reels, which helped me establish a reputable business based on quality products. My business has grown to the point where I am looking at opening a full-blown machine shop.”

Brock F., HI
Granite 1324
Owner

Super-Sized Upgrades

“The picture is an alignment-adjustment part from an industrial machine used everyday of the work week. When I found out that the operator actually had to remove the part from the machine to run material larger than its original design through the machine. I came up with a super-sized version. I also made a couple of other upgrades from it’s original design.”

Jay P., MD

All for the love of a dog.

He’s helping animals and built a great business.

When Eddie and Leslie G’s canine companion, Buddah, became incapacitated, Ed knew what to do. “I’ll make a dog cart.” He got a Midas 1220 XL and did just that. Buddah not only enjoyed the cart, she became able to walk again. This home experiment grew into “Eddie’s Wheels,” a strong business with worldwide sales.

Ed’s carts are custom-designed, fitted, and machined to fit the special needs of each dog. Carts have lightweight, welded aluminum frames, stainless steel hardware, and molded closed-cell foam padding. Thanks to Smithy, the business is going to the dogs, but Ed and Leslie wouldn’t have it any other way.
GRANITE 1324 CLASSIC
Our Original Granite Made High-Precision Machining Affordable

Why choose the 3-in-1 Granite CLASSIC 1324?
Our Classic 1324 brings you top features like CNC-readiness, dual power feed, and electronic variable speed, PLUS many new features. This is our original, top-selling 3-in-1 Granite machine.

But what machinists find especially appealing about this model is what many consider a perfect combination of capacity, features, and price. It’s the right size for most jobs, and has features that make them possible. That makes it an excellent value.

KEY FEATURE SUMMARY
Because it’s a Smithy GRANITE CLASSIC, you get:
- 3-in-1 Lathe-Mill-Drill
- CNC-Ready
- Dual Powerfeed
- Industry-Standard Tooling

Because it’s the 1324 CLASSIC, you get:
- Compact Top-End Features
- Quick Change Gear Box
- Threading Dial
- Variable Speed 1.5HP Motor
- X & Y Powerfeed (Lathe & Mill)
- Cuts Right-Hand, Left-Hand, Metric & Inch Threads
- Industry-Standard Tapers

**CNC/DRO-ready** – drilled and tapped for easy attachment of CNC or DRO mounts

**Variable Speed Drive** – with infinitely variable speeds. Adjustment is quick and easy, like turning up the volume on a radio. Increases operation efficiency and safety - usually a $600 option - FREE!

Visit Us at www.smithy.com
Call Us at 1-800-476-4849
**MORE STANDARD FEATURES:**

- **Positive Millhead Lock**
- **Crash Protection System**
- **Overload Protection**
- **Easy Mount on DRO & CNC System**
- **Extended Tailstock Travel**
- **R-8 Taper In Mill Head** – uses standard Bridgeport tooling: low cost, high quality.
- **Electronic Variable Speeds** – infinitely variable speed adjustment is quick and easy – just like turning up the volume on a radio.
- **ISO 9001 Certified** – international standard for quality production.
- **Timken Bearings** – provide maintenance-free, virtually friction-free rotation.
- **Transfer Power Clutch** – easy changeover from lathe to mill/drill.
- **Lathe Spindle TIR** - 0.00078”

**Granite 1324 & 1340 CLASSIC Specifications**

### General Dimensions
- **Machine Dimensions (LxWxH)**
  - Granite 1324: 42”x22-1/2”x39”
  - Granite 1340: 62”x22-1/2”x39”
- **Shipping Weight**
  - Granite 1324: 775 lbs
  - Granite 1340: 860 lbs
- **Machine Weight**
  - Granite 1324: 661 lbs
  - Granite 1340: 728 lbs
- **Crate Size**
  - 1324: 49-1/2” x 22-3/4” x 44”
  - 1340: 64-1/2” x 22-3/4” x 44”
- **Floor Area Required**
  - Granite 1324: 76” x 39”
  - Granite 1340: 85” x 39”
- **T-Slot Size**
  - 7/16”
- **Powerfeed (X-Axis)**
  - Yes
- **Powerfeed (Y-Axis)**
  - Yes
- **Powerfeed (Z-Axis)**
  - No
- **Table Size**
  - 6-3/4” x 17-3/4”
- **Threading Dial**
  - Yes

### Lathe Specifications
- **Distance Between Centers**
  - Granite 1324: 24”
  - Granite 1340: 40”
- **Dial Calibration on Crossfeed** 0.001”
- **Dial Calibration on Toolpost** 0.001”
- **Dial Calibration on Leadscrew** 0.001”
- **Dial Calibration on Longfeed Rack** 0.01”
- **Dial Calibration on Tacklstock** 0.001”
- **Feed Rates**
  - .003-.020” (X-Axis)
  - .001-.006” (Y-Axis)
- **Headstock Taper**
  - MT4
- **Lathe Chuck Bore**
  - 1-1/8”
- **Lathe Chuck Diameter**
  - 6”
- **Lathe Chuck**
  - Max. Diameter workpiece: 6”
  - Min. Diameter workpiece: 1/8”
- **Lathe Chuck Mount**
  - D1-4 Camlock
- **Lathe Chuck 3-Jaw Self-Centering**
- **Spindle Accuracy TIR** 0.00078”
- **Spindle Bore** 1.125”
- **Spindle Speeds**
  - (Range 0-2800)
  - Swing Over Bed: 13”
  - Swing Over Work Table: 7-1/2”
  - Tailstock Offset: 19/32”
  - Tailstock Taper: MT3
  - Tailstock Barrel Travel: 3”
- **Threads-Inch**
  - SAE 7-52 TPI

### Mill Specifications
- **Column Diameter** 3-3/16”
- **Dial Calibration Drill**
  - -Coarse Feed 0.05”
  - -Fine Feed 0.001”
- **Drawbars Size (included)** 7/16”
- **Drill Chuck Size (included)**
  - Mill/Drill: 5/8”
  - Tailstock: 1/2”
- **Drill Chuck Arbor Size** R8/JT3
- **Feed Rates**
  - .003-.020” (X-Axis)
  - .001-.006” (Y-Axis)
- **Head Rotation**
  - 360 Degrees
- **Head Travel Z-Axis** 4-3/8”
- **Quill Diameter** 2-3/4”
- **Quill Travel** 4-7/8”
- **Spindle Center to Front of Chuck** 4-5/8”
- **Spindle Center to Lathe Spindle Flange** 7-1/4”
- **Spindle Center to Support Column** 9-1/2”
- **Spindle to Table Distance** (Min-Max) 4 to 13-3/8”
- **Spindle Speeds**
  - Variable 0-2800
- **Spindle Taper** R8
- **Tool Size Limits**
  - 1”
- **X-Axis Travel** 9-1/2”
- **Y-Axis Travel** 7-5/8”

### Electrical Specifications
- **Amperage** 15 amps
- **Horsepower** 1.5 HP
- **Motor Type** D/C Variable Speed
- **Phase** Single
- **Voltage** 110 Volts A/C

*Specifications are subject to change.*

Visit Us at [www.smithy.com](http://www.smithy.com)
GRANITE 1340 CLASSIC
Original Granite Precision with 40 LONG Inches Between Centers!

Why choose the 3-in-1 Granite 1340 CLASSIC?

This model is identical to our GN-1324 Classic, except its bed is 16” longer. Machinists who work on extra-big projects would like the capacity to do so and find the 1340’s additional cost well worth it.

KEY FEATURE SUMMARY
Because it’s a Smithy GRANITE CLASSIC, you get:

- 3-in-1 Lathe-Mill-Drill
- CNC-Ready
- Dual Powerfeed
- Industry-Standard Tooling

Because it’s the 1340 CLASSIC, you get:

- Same Features as Granite 1324 Classic but Extended 40 Inches Between Centers
- Quick Change Gear Box
- Threading Dial
- Variable speed 1.5HP motor
- X & Y Powerfeed (Lathe & Mill)
- Cuts Right-Hand, Left-Hand, Metric & Inch Threads
- Industrial Standard Tapers

"A very cost-effective way to make complex parts."

"We make deep-sea diving equipment that makes no bubbles. Our Granite 1324 makes all the prototypes of mold masters and mold housings for all our parts before we go to tooling." - Steam Machines, Inc
Located in CA

PERFECT STAND for this machine: See page 28
3-in-1 GRANITE CLASSIC Series:
ORIGINAL, FULL-FEATURED 3-IN-1 WORKHORSES
FOR PROFESSIONAL AND SERIOUS HOME SHOPS

Our Granite Classic machines were the first pro-quality equipment to make high-precision machining affordable for professional and serious home machinists. These heavy-duty 3-in-1 machines put a complete machine shop on your benchtop, complete with big capacities, automatic features, versatility, and precision.

When you choose either of our Granite Classic machines, you get full 3-in-1 capabilities built into our Lathe-Mill-Drill machines. And you also get top-end performance and convenience features including larger capacities—up to 13” swing and 24” to 40” between centers. With Timken bearings and a spindle TIR of 0.00078” you can turn out products with a mirror like finish. You also get the consumer protection that comes with every Smithy including the guarantee that it’ll pay for itself.

Granite Classic 1324 —
Most popular Granite Classic, top choice of businesses & serious home shops
Retail Price: $3,879.00
Free Tool Pack valued at $611.48

Granite Classic 1340 —
BIGGEST Granite Classic with 40 l-o-n-g inches between centers
Retail Price: $4,379.00
Free Tool Pack valued at $611.48

FREE PREMIUM TOOL PACK!
You Get: Regular Price
Wrench Set $20.00 FREE
Drill Chuck & Arbor (Mill Head) $47.94 FREE
Drill Chuck & Arbor (Tailstock) $26.24 FREE
Dead Centers (MT3 & MT4) $25.20 FREE
6” 3-Jaw Chuck with Key $171.75 FREE
Safety Equipment $5.95 FREE
Oil Can $6.00 FREE
Manual $6.50 FREE
Carbide Bits $32.99 FREE
End Mills (1/4”, 3/8”, 1/2” with 3/8” Shanks) $19.97 FREE
90-Degree Angle Vise $38.99 FREE
End Mill Adapter (3/8”) $18.50 FREE
T-Slots Nuts (7/16”) $6.50 FREE
Drawbar Kit (7/16”) $5.99 FREE
Metric Threading Change Gears $150.00 FREE
BONUS! 60-Minute TRAINING DVD $49.95 FREE
Total Value: $611.48 FREE

Visit Us at www.smithy.com

$611.48 Value... FREE Tool Pack!
GRANITE 1324 MAX
Get Every Granite Classic Advantage PLUS a Long-Millhead & 30% MORE Horsepower!

Why choose the 3-In-1 Granite 1324 MAX?
Our Granite 1324 Max has all the features of our 1324 Classic but taken “to the Max” with a 30% more milling capacity and 30% more horsepower. You get every single feature that established Smithy Granite as THE 3-in-1 machine tool including CNC-readiness, dual power feed, and electronic variable speed.

30% MORE MILLING CAPACITY
Build bigger projects with ease.

40% MORE LOW-END TORQUE
Make heavier cuts without stalling your motor.

30% MORE HORSEPOWER
Heavier cuts, smoother finishes, better low end torque.

KEY FEATURE SUMMARY
Because it’s a Smithy GRANITE MAX, you get:
- 30% More Milling Capacity
- 30% More Horsepower
- 3-in-1 Lathe-Mill-Drill
- CNC-Ready
- Dual Powerfeed
- Industry-Standard Tooling

Because it’s the 1324 MAX, you get:
- Compact Top-End Features
- Quick Change Gear Box
- Threading Dial
- Variable Speed 2 HP BLDC Motor
- X & Y Powerfeed (Lathe & Mill)
- Cuts right-hand, left-hand, metric & inch threads
- Industrial Standard Tapers

CRASH PROTECTION SYSTEM
Push your machine to the limits without major damage.

Perfect Stand for this machine: See page 28

Call Us at 1-800-476-4849
MORE STANDARD FEATURES:
- Positive Millhead Lock
- Crash Protection System
- Overload Protection
- Easy Mount DRO & CNC Systems
- Extended Tailstock Travel

PLUS...
- 30% MORE Milling Capacity
- 30% MORE Horsepower
- 40% Low-End Torque
- R-8 Taper in Mill Head – uses standard Bridgeport tooling; low cost, high quality.

- Electronic Variable Speeds – infinitely variable speed adjustment is quick and easy – just like tuning up the volume on a radio. Usually a $600 feature - FREE!
- ISO 9001 Certified – international standard for quality production.
- Timken Bearings – provide maintenance-free, virtually friction-free rotation.
- Transfer Power Clutch – easy changeover from lathe to mill/drill.

- Lathe Spindle TIR - 0.00078”
- Threading Dial & Half Nut – cut and chase S.A.E. inch threads like a master machinist. Threads metric & inch, right & left-hand threads.
- Rack & Pinion Feed on Carriage – quickly position your cutting tools and zip your carriage back and forth to speed up your work.
- Spindle Bore – oversized and hollow spindle takes LARGE stock – up to 1.125” round – through the lathe headstock.
- Adjustable-Height Mill Head – standard, factory-engineered – not an expensive add-on – gives 50% larger milling capacity, puts tools at optimum working height.
- 2HP Variable Speed Motor - big power, high torque, with 110V convenience.

- X & Y Axis POWER FEED – feed either direction on the leadscrew and crossfeed screw on both lathe and mill. Yields finest finishes, highest quality work. STANDARD FACTORY ENGINEERED COMPONENTS, not a bulky, expensive retrofit.

- CNC/DRO-Ready – drilled and tapped for easy attachment of CNC or DRO mounts

Granite 1324 & 1340 MAX Specifications*

<table>
<thead>
<tr>
<th>General Dimensions</th>
<th></th>
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<tbody>
<tr>
<td>Machines Dimensions</td>
<td></td>
</tr>
<tr>
<td>1324</td>
<td>46” x 22-1/2” x 39”</td>
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<tr>
<td>1340</td>
<td>62” x 22-1/2” x 39”</td>
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<tr>
<td>Shipping Weight</td>
<td></td>
</tr>
<tr>
<td>Granite 1324</td>
<td>794 lbs</td>
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<tr>
<td>Granite 1340</td>
<td>904 lbs</td>
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<td>Machine Weight</td>
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<tr>
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<td>Granite 1340</td>
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<td>Crate Size</td>
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<td>Floor Area Required</td>
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<tr>
<td>Granite 1324</td>
<td>72” x 43”</td>
</tr>
<tr>
<td>Granite 1340</td>
<td>85” x 43”</td>
</tr>
<tr>
<td>T-Slot Size</td>
<td>7/16”</td>
</tr>
<tr>
<td>Powerfeed (X-Axis)</td>
<td>Yes</td>
</tr>
<tr>
<td>Powerfeed (Y-Axis)</td>
<td>Yes</td>
</tr>
<tr>
<td>Powerfeed (Z-Axis)</td>
<td>No</td>
</tr>
<tr>
<td>Table Size</td>
<td>6-3/4” x 17-3/4”</td>
</tr>
<tr>
<td>Threading Dial</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Lathe Specifications

| Distance Between Centers |          |
| Granite 1324             | 24”      |
| Granite 1340             | 40”      |
| Dial Calibration          |          |
| on Crossfeed              | 0.001”   |
| on Toolpost               | 0.001”   |
| on Leadscrew              | 0.001”   |
| on Longfeed Rack          | 0.01”    |
| on Tailstock              | 0.001”   |
| Feed Rates                | .003-.020” (X-Axis) |
|                          | .001-.006” (Y-Axis) |
| Headstock Taper           | MT4      |
| Lathe Chuck Bore          | 1.6”     |
| Lathe Chuck Diameter      | 6”       |
| Lathe Chuck - Max.        |          |
| Diameter Workpiece        | 6”       |
| Lathe Chuck - Min.        |          |
| Diameter Workpiece        | 1/8”     |
| Lathe Chuck Mount         | D1-4 Camlock |
| Lathe Chuck Type          |          |
| 3-Jaw Self-Centering      |          |
| Spindle Accuracy TIR      | 0.00078” |
| Spindle Bore              | 1.125”   |
| Spindle Speed             | Variable (Range 0-2800) |

Mill Specifications

| Column Diameter          | 3-3/16”  |
| Dial Calibration on Drill|         |
| - Coarse Feed            | 0.05”    |
| Dial Calibration on Drill|         |
| - Fine Feed              | 0.001”   |
| Drawbars Size (included) | 7/16”    |
| Drill Chuck Size (included) |           |

| Drill Chuck Arbor Size   | R8/1/4”  |
| Feed Rates               | .003-.020” (X-Axis) |
|                          | .001-.006” (Y-Axis) |
| Head Rotation            | 360 Degrees |
| Head Travel              | 4-3/8”   |
| Quill Diameter           | 2-3/4”   |
| Quill Travel             | 4-7/8”   |
| Spindle Center to         |          |
| Front of Chuck           | 8-1/2”   |
| Spindle Center to         |          |
| Lathe Spindle Flange     | 11-1/4”  |
| Spindle Center to         |          |
| Support Column           | 13-3/8”  |
| Spindle to Table Distance| (Min-Max) |
|                          | 4 to 13-3/8” |
| Spindle Speeds            | Variable (Range 0-2800) |
| Spindle Taper             | R8       |
| Tool Size Limits          | 1”       |
| X-Axis Travel             | 13-3/8”  |
| Y-Axis Travel             | 7-5/8”   |

Electrical

| Amperage                  | 16 amps  |
| Horsepower                | 2 HP     |
| Motor Type                | BLDC     |
| Phase                     | Single   |
| Voltage                   | 110 Volts A/C |

*Specifications are subject to change.
GRANITE 1340 MAX
40” Between Centers PLUS Extended Millhead and 30% More Power!

Why choose the 3-in-1 Granite 1340 MAX?
Our Granite 1340 Max is MAXIMUM in every department! First, you get every single Granite feature. Then you get 40 inches between centers, 30% more milling capacity, and a heavy-duty motor with 30% more horsepower.

KEY FEATURE SUMMARY
Because it’s a Smithy GRANITE MAX, you get:
- 3-in-1 Lathe-Mill-Drill
- CNC-Ready
- Dual Powerfeed
- Industry-Standard Tooling

Because it’s the 1340 MAX, you get:
- Industrial Tooling
- Same Granite MAX 1324 features but big 40” between centers
- Quick Change Gear Box
- Threading Dial
- Variable Speed 2 HP BLDC Motor
- X & Y Powerfeed (Lathe & Mill)
- Cuts Right-Hand, Left-Hand, Metric & Inch Threads
- Industrial Standard Tapers

"There’s not much you can’t do with a Smithy."
“I bought a second Smithy because I already had one and I knew its reputation. I use it daily in my business building custom guns. I use the mill for machining frames, shaping, and contouring parts. The drill press is used for boring and reaming cylinders. It is a great quality machine at a great price which makes it a great value.” - Bob M., Co
3-in-1 GRANITE MAX Series:
PREMIER QUALITY 3-IN-1 MACHINES WITH MAXIMUM FEATURES: LONGER REACH and MORE POWER

Our Granite Classic machines were the first pro-quality equipment to make high precision machining affordable for the professional and serious home machinists. These heavy-duty 3-in-1 machines put a complete machine shop on your benchtop, complete with big capacities, automatic features, versatility, and precision.

With all the same bells and whistles of our Granite Classic series, the added features to our MAX machines takes the 3-in-1 Lathe-Mill-Drill to a whole new level. The extended millhead provides 30% more milling capacity. Plus, Smithy’s exclusive 2 HP BLDC motor system gives you the same easy to use speed control as our Granite Classic but the even torque curve of a BLDC system eliminates the speed reduction system. As always, our Granite MAX machines are backed by our two-year warranty and pay for itself guarantee.

Granite 1324 MAX —
Full Granite Classic features plus longer millhead, industrial tooling & more power

Retail Price: $4,279.00
Free Tool Pack valued at $611.48

Granite 1340 MAX —
The BIGGEST MAX, with industrial tooling and 40 l-o-n-g inches between centers

Retail Price: $4,979.00
Free Tool Pack valued at $611.48

Make the MOST of Your Investment

Buy a Smithy Granite MAX and...
YOU GET A FULL-FEATURED, SUPER-CHARGED, PREMIUM QUALITY 3-IN-1 SMITHY GRANITE MAX:
A COMPLETE METALWORKING SHOP ON YOUR BENCHTOP
GUARANTEED to Pay It’s Own Way
(see pg. 30)

PLUS... You also get:
• 30-Day Trial Offer
• 2-Year Warranty
• Tech Support
• $0 Down (O.A.C.)
• FREE Tool Pack

PLUS, A FREE PREMIUM TOOL PACK!
You Get | Regular Price
--- | ---
Wrench Set | $20.00 FREE
Drill Chuck & Arbor (Mill Head) | $47.94 FREE
Drill Chuck & Arbor (Tailstock) | $26.34 FREE
Dead Centers (MT3 & MT4) | $25.20 FREE
6” 3-Jaw Chuck with Key | $171.75 FREE
Safety Equipment | $5.95 FREE
Oil Can | $6.00 FREE
Manual | $6.50 FREE
Carbide Bits | $12.00 FREE
End Mills (1/4", 3/8", 1/2" with 3/8" Shanks) | $49.07 FREE
90-Degree Angle Vise | $38.99 FREE
End Mill Adapter (3/8") | $18.50 FREE
T-Slots Nuts (7/16") | $6.59 FREE
Drawbar Kit (7/16") | $5.99 FREE
Metric Threading Change Gears | $150.00 FREE
BONUS! 60-Minute TRAINING DVD | $49.95 FREE
Total Value: | $611.48 FREE

$611.48 Value... FREE Tool Pack!

Visit Us at www.smithy.com
AMERICA’S BIGGEST & BRODEST
Which Smithy Machine is Best for You?

Smithy 3-in-1 GRANITE means PREMIUM QUALITY — NOW 7 Granite Models!

SMITHY GRANITE is our top-of-the-line model, the best machining equipment you can buy. We now offer 7 Granite machines: same 2 chassis sizes, now in FOUR levels of features and function.

EVERY GRANITE has automated features that create premium quality results. 3-in-1 Granite machines are ideal for daily use by light industrial and serious home machinists. Maximum features, convenience, speed, and accuracy make any Granite an exceptional value.

With 7 Granites, and 4 feature and function levels, you can get America’s best machine, set up exactly the way you need it.

Choose one of our 7 Granite 3-in-1 machines if you...
- Want a complete metal shop in a small space
- Demand premium quality
- Do a lot of machining
- Need mirror-quality finishes
- Want to get more work done faster
- Want the best in 3-in-1 machines

GRANITE CLASSIC SERIES — The Granites that started it all

GRANITE 1324 CLASSIC
This was our first Granite — packed with automated features and long the #1 choice of serious home machinists & businesses that require quality.

GRANITE 1340 CLASSIC
This original “super-sized” Granite is 16” longer than the Granite 1324 Classic. Perfect for shops that routinely handle larger machining tasks.

GRANITE MAX SERIES — Full Granite features & precision with larger milling capacity, premium tooling, and more horsepower

GRANITE 1324 MAX
All Granite 1324 features PLUS a 30% longer millhead for greater reach, premium tooling, and 25% more horse-power.

GRANITE 1340 MAX
Think BIG: take our 1324 MAX chassis and add an extra longer bed for extra long pieces.

GRANITE INDUSTRIAL MAX SERIES — Top of the line Granites with RUN-ALL-DAY 220V POWER & Industrial Tooling

GRANITE 1324 I-MAX
There’s none better in our 1324 size. The 1324 IMX has it all: every single Granite Classic and Granite Max feature including Premium Tooling, with the added bonus of a heavy-duty long-life 220V motor.

GRANITE 1340 I-MAX
If you do big-scale machining, if you run all day every day, or if you simply want THE BEST THERE IS, look no further than Granite 1340 I-MAX! Complete with our Industrial Tooling Pack.

GRANITE ELITE I-MAX SERIES — Tool for a Lifetime

GRANITE 1340 ELITE INDUSTRIAL MAX
Our newest model! For the small shop machinist that wants the best - highest precision, ease of use and durability are guaranteed with the Elite I-MAX standard features. This is the machine you’ll pass on to the next generation of machinists – with pride. This model is the result of more than twenty years of input from combo machine users. This machine has it all – greatest features at a great value price.
### LINEUP OF 3-IN-1 MACHINES!

<table>
<thead>
<tr>
<th>FEATURES</th>
<th>GRANITE CLASSIC GN-1324 GN-1340</th>
<th>GRANITE MAX GN-1324 MAX GN-1340 MAX</th>
<th>GRANITE INDUSTRIAL MAX &amp; ELITE GN-1324 IMX GN-1340 IMX/ELX</th>
<th>MIDAS MI-1220 LTD MI-1220 XL</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-In-1 Lathe/Mill/Drill</td>
<td>•</td>
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<td>TOLL FREE Customer Service &amp; Support</td>
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<td>30-Day RISK FREE Trial Offer</td>
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<td>2 Year Warranty</td>
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<td>Pay for itself Guarantee</td>
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<td>Dimensions (LxWxH)</td>
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<td>46” x 22-1/2” x 39”</td>
<td>46” x 22-1/2” x 39”</td>
<td>42” x 20” x 34”</td>
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<td>42” x 20” x 34”</td>
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<td>6-3/4” x 17-3/4”</td>
<td>5-7/8” x 16-3/4”</td>
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<td>728 lbs</td>
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<td>Cam Lock</td>
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<td>Power Crossfeed</td>
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<td>Rack &amp; Pinion Travel</td>
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<td>Threading Dial</td>
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<td>CNC Ready</td>
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<td>Variable Speed</td>
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<tr>
<td>Timken Bearings</td>
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<td>220V power</td>
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<tr>
<td>Industrial Tooling</td>
<td>•</td>
<td>•</td>
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</tr>
</tbody>
</table>

**SMITHY MIDAS machines bring you full Smithy quality at lower prices. You get 100° Smithy precision and integrity with fewer automated features. You also get our industry-finest tech support and warranties — same as with Granite machines. Yet 3-in-1 Midas machines are about the same prices as inferior machines sold through catalogs.**

**SMITHY MIDAS 1220 LTD — Best, Most Versatile Midas**

Our very best Midas machine featuring dual motors, power cross feed, power longitudinal, threading dial and bi-directional lead screw feed.

**SMITHY MIDAS 1220 XL — Most Popular**

The most popular machine in the Midas line. Far better quality than other brands of machines costing about the same.

*Specifications are subject to change.*
GRANITE 1324 INDUSTRIAL MAX
Compact but Powerful 220-Volt Smithy

Why choose the 3-in-1 Granite 1324 I-MAX?

This top-of-the-line machine brings you top features of our Industrial MAX machine running 220-volt power. It runs like the 1340 I-MAX, but in a more compact size. It is fully equipped to run longer and cooler for the toughest projects, but just right for your space.

KEY FEATURE SUMMARY
Because it’s a Smithy Granite Industrial MAX, you get:

- 220-Volt Power for Maximum Efficiency
- Expanded Premium Tool Pack
- Upgraded Headstock Bearings
- 3-in-1 Lathe-Mill-Drill
- CNC-Ready
- Dual Powerfeed
- Industry-Standard Tooling

Because it’s the 1324 I-MAX, you get:

- Quick Change Gear Box
- Threading Dial
- Variable Speed 2 HP Motor
- X & Y Powerfeed (Lathe & Mill)
- Cuts Right-Hand, Left-Hand, Metric & Inch Threads
- Industrial Standard Tapers

220 VOLTS

Hear what Ken B. has to say about his Smithy Granite

http://www.smithy.com/granite/video-photos
3-in-1 GRANITE INDUSTRIAL MAX Series: THE BEST OF THE BEST

The Granite Industrial series is the perfect choice for the home-shop business, professional shops and the R & D lab that want to run the best at peak efficiency.

Our Industrial Max models run on 220-volt power for all day performance. Fully-equipped and with all the same specifications as our Granite 1324 MAX and Granite 1340 MAX, our Industrial Max models come with an upgraded tool pack including a quick change tool post, a 3" superlock milling vise and live center. With all these extras and 220-volt power, your shop will be running at top efficiency and performance.

4 PERFORMANCE REASONS 220V is best for serious shops & equipment!

1. 110V motors draw power from one “hot” wire. 220-volt motors draw power from two “hot” wires, each supplying 110-volt. That spreads the power load between two lines and keeps the electrical flow balanced.

2. 220V draws less current – and less current means less heat. Your motor stays cooler and lasts longer.

3. Drawing less current also helps eliminate overtaxing your electrical system. For example, if your lights dim when you turn on the machine, you’re asking it to provide more electricity than it is able to.

4. 220-volt causes less “voltage drop” or reduction in the flow of electricity. Keeping voltage constant helps your motor run smoother and last longer.

Advanced Features:
You get all of the same features as the popular Granite 1340 MAX and a whole lot MORE! The Industrial series shares the same specifications as our top-of-the-line Granite MAX series but has 220V power that only draws 8 amps.

- **220-Volt POWER** - Our I-MAX series machines use 220-volt motors for maximum efficiency and service life.

- **Quick Change Toolpost** - Let’s face it: time is money. The Quick Change Toolpost is a big time saver because it’s the fastest, most convenient way to change tools.

- **Bearing Upgrade** - Businesses usually demand more from their equipment and work it harder than the home machinist. Better bearings provide longer life, thus, more operating hours.

- **Chuck Shield** - The chuck shield is a necessity in the business environment to keep you or your machinists safe from flying chips.

- **Upgraded Tool Pack** - Our upgraded tool pack includes some of our standard tooling but upgraded for more efficient operations. Our 3" milling vise replaces the 90-degree angle vise for additional capacity and our quick change tool post replaces the standard turret style for convenient tool set-up. We also include a MT3 live center.

- **Industry-Leading Consumer Protection** - Like all Smithy machines, our I-MAX series machines come with a 2-year warranty, a 30-Day Money Back Guarantee, and our guarantee that your Smithy will pay for itself. In fact, a business environment is the ultimate place to make your Smithy pay for itself fast.

MorePower and Longer Service Life.

Our new 220-volt Granite I-MAX Series runs on half the amperage of 110-volt units. Ammps produce heat; fewer amps means our I-MAX series machines run cooler than 110-volt machines.

Is a Granite I-MAX series right for you?
If you depend on machining for cash flow or think you might some day, or if you simply demand the very finest... the I-MAX series is for you.

---

**Granite 1324 & 1340 I-MAX Specifications**

<table>
<thead>
<tr>
<th><strong>General Dimensions</strong></th>
<th><strong>Mill Specifications</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Machine Dimensions (LxWxH)</td>
<td>Column Diameter 3-3/16&quot;</td>
</tr>
<tr>
<td>Granite 1324 46&quot; x 22-1/2&quot; x 39&quot;</td>
<td>Dial Calibration Drill 3-3/16&quot;</td>
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<tr>
<td>Granite 1340 62&quot; x 22-1/2&quot; x 39&quot;</td>
<td>- Coarse Feed 0.05&quot;</td>
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<tr>
<td>Shipping Weight</td>
<td>Dial Calibration on Dial Mill - Fine Feed 0.001&quot;</td>
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<tr>
<td>Granite 1324</td>
<td>Drawer Size (included) 7/16&quot;</td>
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<tr>
<td>861 lbs</td>
<td>Drill Chuck Size (included)</td>
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<tr>
<td>Granite 1340</td>
<td>5/8&quot;</td>
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<tr>
<td>928 lbs</td>
<td>Mill/Drill 1/2&quot;</td>
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<tr>
<td>Machine Weight</td>
<td>Drill Chuck Arbor Size R8/IT3</td>
</tr>
<tr>
<td>Granite 1324</td>
<td>Feed Rates .003 -.020&quot; (X-Axis) .001-.006&quot; (Y-Axis)</td>
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<td>683 lbs</td>
<td>Head Rotation 360 Degrees</td>
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<td>Granite 1340</td>
<td>Head Travel (Z-Axis) 4-3/8&quot;</td>
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<td>750 lbs</td>
<td>Quill Diameter 2-3/4&quot;</td>
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<td>Crate Size (LxWxH)</td>
<td>Quill Travel 4-7/8&quot;</td>
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<td>1324 49-1/2&quot; x 22-3/4&quot; x 44&quot;</td>
<td>Spindle Center to Front of Chuck 8-1/2&quot;</td>
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<tr>
<td>1340 64-1/2&quot; x 22-3/4&quot; x 44&quot;</td>
<td>Spindle Center to Lathe Spindle Flange 11-1/4&quot;</td>
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<tr>
<td>Footprint</td>
<td>Spindle Center to Support Column 13-3/8&quot;</td>
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<tr>
<td>Granite 1324</td>
<td>Spindle to Table Distance (Min-Max) 4&quot; to 13-3/8&quot;</td>
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<tr>
<td>18&quot; x 44&quot;</td>
<td>Spindle Speeds Variable (Range 0-2800)RPM</td>
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<tr>
<td>Granite 1340</td>
<td>Spindle Taper R8</td>
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<tr>
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<td>Granite 1324</td>
<td>Y-Axis Travel 7-5/8&quot;</td>
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<td>Lathe Chuck -Max. Diameter workpiece 6&quot;</td>
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<td>Granite 1340</td>
<td>-Min. Diameter workpiece 1/8&quot;</td>
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<td>Lathe Chuck Mount D1-4 Camlock</td>
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<td>T-Slot Size</td>
<td>Lathe Chuck Type 3-Jaw Self-Centering</td>
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<td>Spindle Accuracy TIR 0.00078&quot;</td>
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<td>Powerfeed (X &amp; Y Axis)</td>
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</table>

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**Electrical**

- Amperage 8 amps
- Horsepower 2 HP
- Motor Type BLD
- Phase Single
- Voltage 220 Volts A/C

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*Specifications are subject to change.*

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Visit Us at www.smithy.com
GRANITE 1340 INDUSTRIAL MAX
Run-All-Day 220 Volt Power Plus
Extended Millhead!

Our BEST Selling Granite!
PACKED With Features

Why choose the 3-in-1 Granite 1340 I-MAX?

Smithy customers asked for 220-volt power and we deliver it with our new Industrial MAX Series. You get full Granite MAX quality, features, and performance plus 220 volts for longer run times and a cooler running motor.

KEY FEATURE SUMMARY
Because it’s a Granite Industrial MAX, you get:
• 220-Volt Power for Maximum Efficiency
• Expanded Premium Tool Pack
• Upgraded Spindle Bearings
• 3-in-1 Lathe-Mill-Drill
• CNC-Ready
• Dual Powerfeed
• Industry-Standard Tooling

Because it’s the 1340 Industrial MAX, you get:
• Quick Change Gear Box
• Threading Dial
• Variable Speed 2 HP Motor
• X & Y Powerfeed (Lathe & Mill)
• Cuts Right-Hand, Left-Hand, Metric & Inch Threads
• Industrial Standard Tapers

VIDEOS

See our YOUTUBE Videos
We have over 30 videos posted on our YouTube channel - learn how to use a 3-in-1 Lathe-Mill-Drill and hear what other people have to say about the Granite 3-in-1!

Call Us at 1-800-476-4849
Granite 1324 INDUSTRIAL MAX —
The Granite machinists choose most when you step up to 220-volt

Retail Price: $4,779.00
Free Tool Pack valued at $1,045.23

Granite 1340 INDUSTRIAL MAX —
Same as our popular Granite 1340 MAX but with go-all-day 220-volt power

Retail Price: $5,379.00
Free Tool Pack valued at $1,045.23

Make the MOST of Your Investment

Buy a Granite Industrial MAX and...
YOU GET TOP-OF-THE-LINE,
3-IN-1 VERSATILITY
WITH GO-ALL-DAY 220V POWER
IDEAL FOR INDUSTRIAL APPLICATIONS
GUARANTEED to Pay It’s Own Way
(see pg. 30)

PLUS... You also get:
• 30-Day Trial Offer
• 2-Year Warranty
• Tech Support
• $0 Down (O.A.C.)
• FREE Tool Pack

PLUS, A FREE INDUSTRIAL TOOL PACK!
You Get                  Regular Price
Wrench Set              $29.99            FREE
Drill Chuck & Arbor (Mill Head) $47.94            FREE
Drill Chuck & Arbor (Tailstock) $26.24            FREE
Dead Centers (MT3 & MT4)        $25.20            FREE
6” 3-Jaw Chuck with Key        $171.75            FREE
Safety Equipment           $5.95             FREE
Oil Can                   $6.00             FREE
Manual                    $6.50             FREE
Carbide Bits              $12.00            FREE
End Mills (1/4”, 3/8”, 1/2” with 3/8” Shanks) $19.97            FREE
Superlock Vise (3”)           $119.00            FREE
End Mill Adapter (3/8”)      $18.50             FREE
T-Slots Nuts (7/16”)         $6.50             FREE
Drawbar Kit (7/16”)         $5.99             FREE
Metric Threading Change Gears $350.00            FREE
Quick Change Toolpost        $285.00            FREE
Live Center                $23.75             FREE
Chuck Guard                $29.95            FREE
BONUS! 60-Minute TRAINING DVD $49.95             FREE
Total Value:               $1,045.23            FREE

Visit Us at www.smithy.com
GRANITE 1340 ELITE INDUSTRIAL MAX
Our NEWEST Granite Machine!

Why choose the 3-In-1 Granite ELITE INDUSTRIAL MAX?

This machine is the BEST-OF-THE-BEST! For the small shop machinest that wants the best: highest precision, ease of use, durability - are guaranteed with the Elite Industrial MAX. This is the machine you’ll pass on to the next generation of machinists, with PRIDE. This model is the result of more than twenty years of input from combo machine users. This machine has it all - greatest features at a great value price.

Smithy Granite 1324 & 1340 I-MAX Specifications*

General Dimensions
- Machine (LxWxH): 64-1/2" x 27-1/2" x 42-1/2"
- Shipping Weight: 972 lbs
- Machine Weight: 794 lbs
- Crate Size (LxWxH): 64-1/2" x 26-1/4" x 44"
- Work Area Required: 85" x 43"
- T-Slot Size: 7/16"
- Powerfeed (X & Y Axis): Yes
- Powerfeed (Z-Axis): No
- Table Size: 6-3/4" x 17-3/4"
- Threading Dial: Yes

Lathe Specifications
- Distance Between Centers: 40"
- Dial Calibration on Crossfeed: 0.001"
- Dial Calibration on Toolpost: 0.001"
- Dial Calibration on Leadscrew: 0.001"
- Dial Calibration on Longfeed Rack: 0.01" (X-Axis)
- Dial Calibration on Tailstock: 0.001" (Y-Axis)
- Headstock Taper: MT4

Feed Rates
- 0.003-0.020" (X-Axis)
- 0.001-0.006" (Y-Axis)

Lathe Chuck Bore: 1.6"
Lathe Chuck Diameter: 6"
Lathe Chuck - Max. Diameter Workpiece: 6"
Lathe Chuck - Min. Diameter Workpiece: 1/8"
Lathe Chuck Mount: D1-4 Camlock
Lathe Chuck Type: 3-Jaw Self-Centering
Spindle Accuracy TIR: +/-0.00078"
Spindle Bore: 1.125"
Spindle Speeds Variable (Range 0-2800 RPM)
- Swing Over Bed: 13"
- Swing Over Work Table: 7-1/2"
- Tailstock Offset: 19/32" (MT3)
- Tailstock Taper: 3"
- Tailstock Barrel Travel: SAE 7-52 TPI
- Threads-Inch: 0.35-6.5 mm
- Threads-Metric: 3-3/16" (X-Axis)
- Toolpost Travel: 1/2" (Y-Axis)
- Tool Bit Size: 360 Degrees
- Head Rotation: 4-3/8" (X-Axis)
- Head Travel: 2-3/4" (Y-Axis)
- Quill Diameter: 4-7/8" (X-Axis)
- Quill Travel: 8-1/2" (Y-Axis)
- Spindle Center to Front of Chuck: 11-1/4" (X-Axis)
- Spindle Center to Support Column: 13-3/8" (Y-Axis)
- Spindle to Table Distance: 4" to 13-3/8" (Z-Axis)
- Spindle Speeds: Variable (Range 0-2800 RPM)
- Spindle Taper: R8
- Tool Size Limits: 1"
- X-Axis Travel: 13-3/8"
- Y-Axis Travel: 7-5/8"

Call Us at 1-800-476-4849

*Specifications are subject to change.
KEY FEATURE SUMMARY
Because it's a GRANITE ELITE INDUSTRIAL MAX, you get all the features of a Granite Industrial MAX – PLUS:

- **Lathe Backsplash** - Keeps coolant and chips contained, rather than flying onto your walls and floor. Coolant flows down to tray where it can be filtered and recycled.

- **Built-In Halogen Work Light** - Mounted on the front side of mill head for easy one-handed angle adjustments. High quality halogen lamp provides plenty of illumination. You will do better quality work with this quality work lamp.

- **One-Shot Lube System** - Makes it easy to keep working surfaces well lubricated. No need to reach in and under the work table to keep up with daily lubrication requirements. Daily lubrication of work surfaces provides for longer machine life and greater accuracy.

- **Fold-In Handles** - The knobs on the X and Y axes fold in and away, which means it is easier for you to lean in closer while the machine is in operation. Built rugged for long life.

- **ON/OFF Key Switch** - Keeps your machine locked and safe while you are away.

- **Digital RPM Readout** - Works very efficiently with the variable speed drive to give you accurate readings while changing spindle speeds.

---

**Granite 1340 ELITE INDUSTRIAL MAX** — The Granite with added features that machinists choose most

**Retail Price:** $5,979.00
**Free Tool Pack valued at:** $1,045.23

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**Perfect Stand** for this machine: See page 28

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**Buy a Granite Elite Industrial MAX and...**
**YOU GET TOP-OF-THE-LINE, 3-IN-1 VERSATILITY WITH GO-ALL-DAY 220V POWER IDEAL FOR INDUSTRIAL APPLICATIONS GUARANTEED to Pay It’s Own Way**
(see pg. 30)

**PLUS... You also get:**
- 30-Day Trial Offer
- 2-Year Warranty
- Tech Support
- $0 Down (O.A.C.)
- FREE Tool Pack

---

**PLUS, A FREE INDUSTRIAL TOOL PACK!**

<table>
<thead>
<tr>
<th>You Get</th>
<th>Regular Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wrench Set</td>
<td>$20.00</td>
</tr>
<tr>
<td>Drill Chuck &amp; Arbor (Mill Head)</td>
<td>$47.94</td>
</tr>
<tr>
<td>Drill Chuck &amp; Arbor (Tailstock)</td>
<td>$26.24</td>
</tr>
<tr>
<td>Dead Centers (MT3 &amp; MT4)</td>
<td>$25.20</td>
</tr>
<tr>
<td>6” 3-Jaw Chuck with Key</td>
<td>$174.75</td>
</tr>
<tr>
<td>Safety Equipment</td>
<td>$5.95</td>
</tr>
<tr>
<td>Oil Can</td>
<td>$6.00</td>
</tr>
<tr>
<td>Manual</td>
<td>$6.50</td>
</tr>
<tr>
<td>Carbide Bits</td>
<td>$12.00</td>
</tr>
<tr>
<td>End Mills (1/4”, 3/8”, 1/2” with 3/8” Shanks)</td>
<td>$29.97</td>
</tr>
<tr>
<td>Superlock Vise (3”)</td>
<td>$119.00</td>
</tr>
<tr>
<td>End Mill Adapter (3/8”)</td>
<td>$18.50</td>
</tr>
<tr>
<td>T-Slots Nuts (7/16”)</td>
<td>$6.50</td>
</tr>
<tr>
<td>Drawbar Kit (7/16”)</td>
<td>$6.99</td>
</tr>
<tr>
<td>Metric Threading Change Gears</td>
<td>$150.00</td>
</tr>
<tr>
<td>Quick Change Toolpost</td>
<td>$285.00</td>
</tr>
<tr>
<td>Live Center</td>
<td>$28.79</td>
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<tr>
<td>Chuck Guard</td>
<td>$29.95</td>
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<tr>
<td>BONUS! 60-Minute TRAINING DVD</td>
<td>$49.95</td>
</tr>
<tr>
<td>Total Value</td>
<td>$2,045.23</td>
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$1,045.23 Value... **FREE Tool Pack!**
Midas 1220 LTD Specifications*

<table>
<thead>
<tr>
<th>General Dimensions</th>
<th>Lathe Specifications</th>
<th>Mill Specifications</th>
<th>Electrical</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length: 42”</td>
<td>Lathe Chuck</td>
<td>Column Diameter</td>
<td>Amperage</td>
</tr>
<tr>
<td>Width: 20”</td>
<td>Lathe Chuck</td>
<td>3-1/8”</td>
<td>11 Amps</td>
</tr>
<tr>
<td>Height: 34”</td>
<td>- Max. Diameter Workpiece: 5”</td>
<td>3-1/4”</td>
<td>Horsepower: 3/4HP</td>
</tr>
<tr>
<td>Shipping Weight: 620 lbs</td>
<td>Lathe Chuck</td>
<td>- Min. Diameter Workpiece: 1/8”</td>
<td>Motor Type: A/C</td>
</tr>
<tr>
<td>Machine Weight: 507 lbs</td>
<td>Lathe Chuck</td>
<td>- Toolpost Travel: 3-1/4”</td>
<td>Phase: Single</td>
</tr>
<tr>
<td>Crate Size: 44-3/4” x 22-3/4” x 38”</td>
<td>Lathe Chuck Mount</td>
<td>- Tool Bit Size: 1/2”</td>
<td>Voltage: 110 Volts A/C</td>
</tr>
<tr>
<td>Footprint: 18” x 32”</td>
<td>Lathe Chuck Type</td>
<td>- X-Axis Travel: 7-3/8”</td>
<td></td>
</tr>
<tr>
<td>Work Area Requirement: 36” x 62”</td>
<td>3-Jaw Self-Centering</td>
<td>- Y-Axis Travel: 15”</td>
<td></td>
</tr>
<tr>
<td>T-Slot Size: 7/16”</td>
<td>Spindle Accuracy TIR: 0.0016”</td>
<td>- Spindle Speeds: 6,000-1,000 RPM</td>
<td></td>
</tr>
<tr>
<td>Powerfeed (X-Axis): Yes</td>
<td>Spindle Bore: 1.03”</td>
<td>- Spindle Taper: MT3</td>
<td></td>
</tr>
<tr>
<td>Powerfeed (Y-Axis): Yes</td>
<td>Spindle Speeds: 500 RPM</td>
<td>- Spindle Taper: 2”</td>
<td></td>
</tr>
<tr>
<td>Table Size: 1-7/8” x 16-3/4”</td>
<td>Swing Over Work Table: 6-3/4”</td>
<td>- Spindle Taper: 1”</td>
<td></td>
</tr>
<tr>
<td>Threading Dial: Yes</td>
<td>Tailstock Setover: 19/32”</td>
<td>- Spindle Taper: 1-1/2”</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tailstock Taper: MT3</td>
<td>- Spindle Taper: 2-3/4”</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tailstock Barrel Travel: 2”</td>
<td>- Spindle Taper: 3”</td>
<td></td>
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<tr>
<td></td>
<td>Threads-Inch: SAE 6-120 TPI</td>
<td>- Spindle Taper: 4”</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Threads-Metric: 0.5 to 4 mm</td>
<td>- Spindle Taper: 8”</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Toolpost Travel: 3-1/4”</td>
<td>- Spindle Taper: 12”</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tool Bit Size: 1/2”</td>
<td>- Spindle Taper: 20”</td>
<td></td>
</tr>
<tr>
<td></td>
<td>X-Axis Travel: 7-3/8”</td>
<td>- Spindle Taper: 30”</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(w/tailstock installed): 15”</td>
<td>- Spindle Taper: 60”</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Y-Axis Travel: 15”</td>
<td>- Spindle Taper: 80”</td>
<td></td>
</tr>
</tbody>
</table>

**Midas 1220 LTD Specifications**

- Cuts Left-Hand, Right-Hand, Inch, and Metric Threads
- X & Y Powerfeed (Lathe & Mill)
- Adjustable Millhead Height
- Inch Leadscrew
- Two-Directional
- Large Table
- Half Nut for Faster & Easier Threading
- Threading Dial

**Why choose the Midas1220 LTD?**

Our Midas 1220 LTD is our most versatile Midas machine with many features that are found on our Granite models, such as power crossfeed, and a threading dial.

The combination of top features, small size, and small price is especially appealing to machinists with smaller shops and those who want “the best” on a budget.

**KEY FEATURE SUMMARY**

Because It’s a Smithy Midas, you get:

- 3-in-1 Lathe-Mill-Drill
- Smithy Quality at a Value Price
- Power Leadscrew

Because it’s the 1220 LTD, you get:

- Two Separate Motors – match the power to the job requirements: 3/4HP lathe motor, 3/4HP mill/drill motor.
- Rack & Pinion Feed on Carriage – quickly position your cutting tools and zip your carriage back and forth to speed your work.

**Perfect Stand for this machine:** See page 28

**Call Us at 1-800-476-4849**
Why choose the Midas1220 XL?

Both Smithy Midas machines are an excellent value and the 1220 XL is no exception. You get several great features that save you time and money.

KEY FEATURE SUMMARY

Because it’s a Smithy Midas, you get:

- 3-in-1 Lathe-Mill-Drill
- Smithy Quality at a Value Price
- Power Leadscrew

Because it’s the 1220 XL, you get:

- Thread Cutting: Cuts Left-Hand, Right-Hand, Inch, and Metric Threads
- X-Axis Powerfeed (Lathe Only)
- Adjustable Millhead Height
- Inch Leadscrew
- Large Table
- Half Nut, Faster & Easier Threading
- Quick-Change Belt Tensioner

- Compact — just 10 sq. ft. but versatile and hard-working.

- Efficient & Economical — the only way to machine your own parts and do your own work.

**PERFECT STAND for this machine: See page 28**

Midas 1220 XL Specifications*

<table>
<thead>
<tr>
<th>General Dimensions</th>
<th>Lathe Specifications</th>
<th>Milling</th>
<th>Electrical</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>42”</td>
<td>Distance Between Centers</td>
<td>20”</td>
</tr>
<tr>
<td>Width</td>
<td>20”</td>
<td>Dial Calibration on Crossfeed</td>
<td>.002”</td>
</tr>
<tr>
<td>Height</td>
<td>34”</td>
<td>Dial Calibration on Toolpost</td>
<td>.002”</td>
</tr>
<tr>
<td>Shipping Weight</td>
<td>530 lbs</td>
<td>Tailstock Offset</td>
<td>19/32”</td>
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<tr>
<td>Machine Weight</td>
<td>419 lbs</td>
<td>Tailstock Taper</td>
<td>MT3</td>
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<tr>
<td>Crate</td>
<td>43-1/2” x 22-1/2” x 36-1/4”</td>
<td>Tailstock Barrel Travel</td>
<td>2”</td>
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<tr>
<td>Footprint</td>
<td>17” x 37”</td>
<td>Threads-Inch</td>
<td>SAE 6-120 TPI</td>
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<tr>
<td>Work Area Required</td>
<td>36” x 56”</td>
<td>Threads-Metric</td>
<td>0.5 to 4 mm</td>
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<tr>
<td>T-Slot Size</td>
<td>7/16”</td>
<td>Toolpost Travel</td>
<td>3-1/4”</td>
</tr>
<tr>
<td>Powerfeed (X-Axis)</td>
<td>Yes</td>
<td>Tool Bit Size</td>
<td>1/2”</td>
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<tr>
<td>Powerfeed (Y-Axis)</td>
<td>No</td>
<td>Motion</td>
<td>5-1/2</td>
</tr>
<tr>
<td>Powerfeed (Z-Axis)</td>
<td>No</td>
<td>Spindle Center to Face Head</td>
<td>3-1/16”</td>
</tr>
<tr>
<td>Table Size</td>
<td>5-7/8” x 16-3/4”</td>
<td>Spindle Center Flange</td>
<td>5-1/2”</td>
</tr>
<tr>
<td>Threading Dial</td>
<td>No</td>
<td>Spindle Center to Column</td>
<td>6-7/8”</td>
</tr>
<tr>
<td>(Retrofit Kit Available)</td>
<td></td>
<td>Spindle Center to Table Distance (Min-Max)</td>
<td>6-1/4”-13”</td>
</tr>
<tr>
<td>Dial Calibration on Leadscrew</td>
<td>.002”</td>
<td>Spindle Speeds</td>
<td>12 (125-1600 RPM)</td>
</tr>
<tr>
<td>Dial Calibration on Longfeed Rack</td>
<td>N/A</td>
<td>Spindle Taper</td>
<td>MT3</td>
</tr>
<tr>
<td>Dial Calibration on Tailstock</td>
<td>.002”</td>
<td>Tool Size Limits</td>
<td>1”</td>
</tr>
<tr>
<td>Feed Rates</td>
<td>.003-.006” (X-Axis)</td>
<td>X-Axis Travel</td>
<td>6-5/8”</td>
</tr>
<tr>
<td>Headstock Taper</td>
<td>MT4</td>
<td>Y-Axis Travel</td>
<td>7-3/8”</td>
</tr>
<tr>
<td>Lathe Chuck Bore</td>
<td>1.17”</td>
<td>Power</td>
<td>11 Amps</td>
</tr>
<tr>
<td>Lathe Chuck Diameter</td>
<td>5”</td>
<td>Horsepower</td>
<td>3/4 HP</td>
</tr>
<tr>
<td>Lathe Chuck -Max. Diameter Workpiece</td>
<td>5”</td>
<td>Motor Type</td>
<td>A/C</td>
</tr>
<tr>
<td>Lathe Chuck -Min. Diameter Workpiece</td>
<td>1/8”</td>
<td>Phase</td>
<td>Single</td>
</tr>
<tr>
<td>Lathe Chuck Mount</td>
<td>Bolt-On</td>
<td>Voltage</td>
<td>110 Volts A/C</td>
</tr>
</tbody>
</table>

*Specifications are subject to change.
3-in-1 MIDAS MACHINE Series: EASY TO USE and PACKED WITH FEATURES

In the mid-1980’s, Smithy Industries identified a huge gap between big, expensive industrial machine tools and tiny, inadequate hobby equipment.

We introduced our Midas line and gave America a “complete machine shop on your benchtop” — 3-in-1 Lathe, Mill, Drills — combined into one compact, high-quality, high-value unit.

Our Midas line remains as strong as ever: the all-in-one solution for individuals and companies that have smaller shops and budgets, do a moderate amount of machining, can forgo some “bells & whistles”...but demand Smithy quality & service all the way.

Midas 1220 LTD —
The top-quality Midas machine with the best features & maximum versatility

Retail Price: $2,644.00
Free Tool Pack valued at $466.62

Midas 1220 XL —
The most popular Midas with excellent price and value

Retail Price: $2,139.00
Free Tool Pack valued at $466.62

Buy a Midas 1220 and...
YOU GET TOP-OF-THE-LINE 3-IN-1 MACHINE PACKED FULL OF FEATURES AND VERSATILITY WITH THE BEST PRICE GUARANTEED to Pay It’s Own Way (see pg. 30)

PLUS... You also get:
• 30-Day Trial Offer
• 2-Year Warranty
• Tech Support
• $0 Down (O.A.C.)
• FREE Tool Pack

PLUS, A FREE TOOL PACK!

<table>
<thead>
<tr>
<th>You Get</th>
<th>Regular Price</th>
<th>FREE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wrench Set</td>
<td>$12.00</td>
<td>FREE</td>
</tr>
<tr>
<td>Drill Chuck &amp; Arbor (Mill Head &amp; Tailstock)</td>
<td>$26.24</td>
<td>FREE</td>
</tr>
<tr>
<td>Dead Centers (MT3 &amp; MT4)</td>
<td>$25.20</td>
<td>FREE</td>
</tr>
<tr>
<td>5” 3-Jaw Chuck with Key</td>
<td>$151.75</td>
<td>FREE</td>
</tr>
<tr>
<td>Safety Equipment</td>
<td>$6.95</td>
<td>FREE</td>
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<tr>
<td>Oil Can</td>
<td>$6.00</td>
<td>FREE</td>
</tr>
<tr>
<td>Manual</td>
<td>$6.68</td>
<td>FREE</td>
</tr>
<tr>
<td>Carbide Bits</td>
<td>$22.99</td>
<td>FREE</td>
</tr>
<tr>
<td>End Mills (1/4”, 3/8”, 1/2” with 3/8” Shanks)</td>
<td>$19.97</td>
<td>FREE</td>
</tr>
<tr>
<td>90-Degree Angle Vise</td>
<td>$38.99</td>
<td>FREE</td>
</tr>
<tr>
<td>End Mill Adapter (3/8”)</td>
<td>$24.00</td>
<td>FREE</td>
</tr>
<tr>
<td>T-Slots Nuts (7/16”)</td>
<td>$3.25</td>
<td>FREE</td>
</tr>
<tr>
<td>Drawbar Kit (12 mm)</td>
<td>$5.99</td>
<td>FREE</td>
</tr>
<tr>
<td>Drawbar Kit (3/8”)</td>
<td>$4.99</td>
<td>FREE</td>
</tr>
<tr>
<td>Change Gears Set</td>
<td>$73.84</td>
<td>FREE</td>
</tr>
<tr>
<td>BONUS! 60-Minute TRAINING DVD</td>
<td>$49.95</td>
<td>FREE</td>
</tr>
<tr>
<td>Total Value:</td>
<td>$466.62</td>
<td>FREE</td>
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</tbody>
</table>

$466.62 Value...
FREE Tool Pack!
GUARANTEE: YOUR SMITHY WILL PAY FOR ITSELF!

How do you take the sting out of buying a machine that sets you back thousands of dollars? The price just got a whole lot easier for a lot of folks to justify when Smithy Industries put in writing what it has promised customers for years, “Any Smithy machine is fully capable of paying for itself.” says Smithy President, Joe Christensen.

“Of course it depends on you,” cautions Joe. “But if you’re willing to put in the effort, the Smithy will earn you or save you its purchase price.” Joe cites figures from actual customers who found they “saved hundreds of dollars once they stopped sending out machining” and “earned a lot more money when they started machining for others.”

PROVE IT TO YOURSELF. “Seeing is believing, and trying is better yet. I invite you to ‘test drive’ the Smithy’s MONEY-MAKING POWER in your shop for a full month with our 30-Day TRIAL OFFER.” - Joe Christensen, President

Here’s the Best News of All - Your Smithy Will Pay For Itself... GUARANTEED! PAYS FOR ITSELF 5 WAYS!

1 SAVE MONEY
Machine parts in-house: Your exact savings depend on your situation but here’s a conservative example: Sending a piece out can easily cost $76 ($30 for a draft drawing, $30 for machining, and $16 for materials). Do it yourself and pay materials cost only: Same piece for $16. Do it yourself 5 times and save $300!

2 MAKE MONEY
Machine for others: Many individuals and businesses regard their Smithys as a profit center. Besides saving money by machining in-house, they MAKE good money by machining for others. You can easily see how profitable this can be: just think of how much you’re currently paying someone else to do your machining.

3 ELIMINATE DOWN TIME
No more waiting for parts: Time is money, and waiting for parts is a costly waste of time. You waste time dealing with an outside shop, waste time checking on jobs you’ve sent out, waste time keeping records, waste money shipping parts. The biggest waste: when a customer goes elsewhere because you take too long.

4 KEEP EQUIPMENT RUNNING
No more breakdowns: A mechanical breakdown can stop your business dead in its tracks. A production stoppage is costly - even disastrous - because getting parts is difficult or impossible. A Smithy and a good operator can make or repair parts on the spot and get your line running again.

5 EXPAND YOUR CAPABILITIES
Broaden earning potential: Giving someone who’s mechanically inclined a Smithy is like handing a kid the keys to a candy store. Turn him loose and watch him create and increase his business. He’ll gain even more than increased production and earnings.

How will you SAVE & EARN MONEY with a Smithy?

• Make your own custom parts
• Repair automobiles
• Maintain machinery
• Invent things
• Maintain a fleet of vehicles
• Mill steel, bronze, etc.
• Reface/resurface a motorcycle head
• Build a car kit
• Restore antiques
• Develop new products
• Manufacture parts
• Maintain your home
• Repair brake rotors
• Build a steam engine
• Re-tool machinery
• Build kit boats, planes
• Build a telescope
• Do R/C modeling
• Turn metals, plastics
• Restore classic cars
• Teach a voc ed class
• Rebuild electric motors
• Fix clocks & time pieces
• Repair equipment
• ENDLESS uses on farms, ranches
• Recut pistons
• Thread bolts & screws
• And MUCH more

HOW LONG WILL IT TAKE for your Smithy to pay for itself?

The payback period depends on how you use your Smithy. If you’re in business full-time, the savings and earnings will add up very quickly. If you’re in a part-time business or avocation, you’ll recoup your cost over a longer period. Here are points to consider when you estimate your payback time:

1. How often do you send work out to be machined?
2. How much do you pay for machining?
3. How long do you have to wait for parts to come back?
4. How much business do you loose while waiting for parts?
5. How much could you EARN by doing machining for others?
6. How much productive time do you lose waiting for repair parts you could repair yourself?
7. How often do you get stumped because you can’t get parts?
8. How much would your profit increase if you slashed your manufacturing costs?
9. How many customers have you lost due to long delivery times?

Visit Us at www.smithy.com
MACHINE STANDS –
We stock the PERFECT STAND for EVERY Smithy!

Granite 1324 and Midas 1220 Stand -
Custom-built to fit your machine
Give your machine a rock-solid foundation with this custom built stand. This is the perfect stand for the Granite 1324 models and our two Midas machines. This stand with chip tray for collecting chips and recycling coolant has two shelves and 5 ball bearing drawers. Supports up to 1000 pounds, 54” L x 20” W x 30” H. Additional freight applies.*
80-045 Smithy Custom-Built Work Station w/ Chip Tray $389.00

Granite 1340 Stand -
Made just for Smithy Granite 1340 models
This custom made stand for the Granite 1340 machines has two cabinets with shelves for tool storage. Assembled Dimensions: 59”-L x 20”-W x 25”-H. Includes door latches, riser blocks and mounting hardware (4) M10 x 100 Mounting Bolts, M10 Nuts, (8) M10 Washers, (7) M5 x 20 Machine screws and nuts. Additional shipping applies.*
80-020 GN-1340 Classic, MAX & I-MAX $339.00

TOOL PACKS –
All the most-needed accessories for common operations

Coolant Pack
Stay cool and save money!
Increase production, get finer finishes and extend the life of your tools. To keep your workpiece clean, cool, and lubricated while you work, the Coolant Pack includes:
• Coolant Pump Kit, Electric
• Smithy Cutting & Tapping Fluid
• Hose with Magnetic Base
• Kool-Mist Coolant

K99-000 Kit $209.00
48-010 Premier 450 Synthetic Coolant $26.95
49-103 Cutting & Tapping Fluid $6.60

Milling Pack
Clamp & hold large, odd-shaped pieces
When a vise won’t work, clamp and hold large or odd-shaped workpieces on your machine with this tool pack. The Milling Pack includes:
• 53 Piece Clamp Set
• V-Block and Clamp Set
• Fly-Tool Cutter Kit
• 1/2” Collet
• Double End Mill Set (3/8” Shank)

K99-040 Midas Machines $185.75
K99-041 Granite Machines $169.75

Lathe Pack
Get closer tolerances & clean threads
If you’re looking to branch out into more lathe work, this pack is for you. These tools put close tolerances, turning, threading, and cutting within reach.
• 6” 4-Jaw Chuck
• 5 1/2” Cutters
• MT3 Live Center
• 60° Center Gauge
• Indexable Boring Bar Kit
• Self-Ejecting Chuck Key
• Inch-Screw Gauge
• MT3xMT3 Extension Socket

K99-025 Midas Machines $242.89
K99-026 Granite Classic & MAX $252.11
K99-028 Granite I-MAX $277.65

Live Center and Boring Bar Holder not included with K99-028. They are included with the machine purchase. K99-025 image shown.
Steady Rest & Follow Rest Kit
Proper support is critical

Support thin or extremely long workpieces with these rests. Steady rest supports work extending beyond the tailstock and clamps to the ways. Follow rest mounts directly to the table opposite the tool bit to keep your work piece from deflecting when it comes in contact with the tool bit.

<table>
<thead>
<tr>
<th>SKU</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>K99-105</td>
<td>Steady &amp; Follow Rest Kit (Midas Series)</td>
<td>$210.00</td>
</tr>
<tr>
<td>K99-106</td>
<td>Steady Rest &amp; Follow Rest Kit (Granite Series)</td>
<td>$205.00</td>
</tr>
</tbody>
</table>

Four-Jaw Independent Chuck
Center irregular workpieces precisely

When accuracy is critical, with round, square, rectangular or irregular workpieces, use this chuck. The hardened steel reversible jaws adjust separately to center precisely. Includes finished back plate.

<table>
<thead>
<tr>
<th>SKU</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>K99-095</td>
<td>6” Midas Machines</td>
<td>$138.00</td>
</tr>
<tr>
<td>K99-100</td>
<td>8” Midas Machines</td>
<td>$192.00</td>
</tr>
<tr>
<td>K99-102</td>
<td>6” Granite Machines</td>
<td>$182.00</td>
</tr>
<tr>
<td>K99-109</td>
<td>8” Granite Machines</td>
<td>$315.95</td>
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</tbody>
</table>

Shooting Star DRO
Digital readouts, no more squinting

Machine precisely just by reading the easy to see digits on the display. First low cost, high quality DRO (digital readout). Includes generic mounting hardware, cables, racks, encoders, and the display unit. The 2-axis and 3-axis DRO’s work by counting the revolutions of a precision-pinion encoder running along a shielded rack.

Resolution: 0.0005"
Electrical: Quadrature signals, TTL levels, 2000 counts/inch
Keypad: Splash-proof membrane tactile keys
Features: Bolt Circles, Bolt Lines, Presets, Tool Offsets, Power Fail Memory, inch/mm, Diameter Mode, INC/ABS, Reversible Count Direction
Display: 7 Segment LED, 0.57 inch high digits
Range: Readout to +/- 99.9995” (+/-1600.00mm)
Case: Rugged Steel, 8” x 3.75” x 1.5”
Power: 110 volt operation

Note: All mounting hardware supplied by the manufacturer is generic and will require additional fabrication. Smithy strongly recommends purchasing the factory manufactured installation kit to simplify and expedite installation, order item number:

<table>
<thead>
<tr>
<th>SKU</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>K99-925</td>
<td>DRO Mount Kit (Granite Series Only)</td>
<td>$135.00</td>
</tr>
<tr>
<td>81-015</td>
<td>2-Axis DRO</td>
<td>$600.00</td>
</tr>
<tr>
<td>81-020</td>
<td>3-Axis DRO</td>
<td>$750.00</td>
</tr>
</tbody>
</table>

Increase Your Machining Skills!
Learn more about the tons of accessories that Smithy has to offer to increase your speed, accuracy & earning power. Visit us at www.smithy.com for a complete accessory line up.

Visit Us at www.smithy.com
**IT’S EASY TO ORDER!**

**Phone:** 800-476-4849 OR 734-913-6700  
**Fax:** 800-431-8892 OR 734-913-6663  
**Website:** www.smithy.com  
**Mail:** PO Box 1517 Ann Arbor, MI 48106  
**Showroom:** 170 Aprill Dr Ann Arbor, MI 48103  
8am - 5pm, EST - Monday through Friday  
*Please call ahead so we can best serve you when you arrive*

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**Machine Shipping**

<table>
<thead>
<tr>
<th>Machine</th>
<th>Freight</th>
<th>w/ Stand Freight</th>
</tr>
</thead>
<tbody>
<tr>
<td>MI-1220 XL</td>
<td>$229</td>
<td>$289</td>
</tr>
<tr>
<td>MI-1220 LTD</td>
<td>$229</td>
<td>$289</td>
</tr>
<tr>
<td>GN-1324 Classic</td>
<td>$269</td>
<td>$329</td>
</tr>
<tr>
<td>GN-1340 Classic</td>
<td>$329</td>
<td>$389</td>
</tr>
<tr>
<td>GN-1324 MAX</td>
<td>$269</td>
<td>$329</td>
</tr>
<tr>
<td>GN-1340 MAX</td>
<td>$329</td>
<td>$389</td>
</tr>
<tr>
<td>GN-1324 I-MAX</td>
<td>$269</td>
<td>$329</td>
</tr>
<tr>
<td>GN-1340 I-MAX</td>
<td>$329</td>
<td>$389</td>
</tr>
<tr>
<td>GN-1340 Elite I-MAX</td>
<td>$329</td>
<td>$389</td>
</tr>
</tbody>
</table>

Basic delivery brings your machine to the nearest trucking terminal or commercial business with a way to offload from the back of a semi. Give us a call to find out the nearest terminal near you and would be happy to finalize all necessary arrangements. Prices are for the continental US and Canada. Please call for rates to Hawaii, Alaska, or international destinations.  
*Residential curbside delivery available for an additional $70.*

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**Accessory Shipping**

<table>
<thead>
<tr>
<th>Order Total:</th>
<th>Add:</th>
<th>Accessories are shipped UPS</th>
</tr>
</thead>
<tbody>
<tr>
<td>$0-20</td>
<td>$7.99</td>
<td>Ground within the continental US.</td>
</tr>
<tr>
<td>$21-50</td>
<td>$9.99</td>
<td>All other areas will be shipped by the US Postal Service and require additional shipping charges. Please call for rates. Next-Day and 2nd-Day express UPS shipping is available for an extra charge.</td>
</tr>
<tr>
<td>$51-100</td>
<td>$11.99</td>
<td></td>
</tr>
<tr>
<td>$100-150</td>
<td>$13.99</td>
<td></td>
</tr>
<tr>
<td>$151-200</td>
<td>$14.99</td>
<td></td>
</tr>
<tr>
<td>$201-250</td>
<td>$16.99</td>
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<tr>
<td>$251-300</td>
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<td>$301-500</td>
<td>$19.99</td>
<td></td>
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<tr>
<td>$501-700</td>
<td>$23.99</td>
<td></td>
</tr>
<tr>
<td>$701+</td>
<td>$26.99</td>
<td></td>
</tr>
</tbody>
</table>

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**Enjoy Your Smithy Machine With No Money Down**

Simply download the application form at www.smithy.com. Click the “Financing” tab and fill out the Credit Application completely. Send to us by mail, fax or attach it to an e-mail together with your order. We’ll get back to you about your approval promptly!  
Any questions? Give us a call 800-476-4849 and we’ll tell you all about this great way to stretch your credit!

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**"What happens when I get my machine home?"**

**How to get 700 lbs of Smithy steel into your shop**

As soon as you order, we’ll email you our “Quick Start Guide” so you can learn about delivery and set-up of your new Smithy. Decide where you’ll place your Smithy beforehand because it’s best to set it up, true it up, and leave it in one spot. We’ll give you your tracking number so you can track your shipment while it’s on its way to you. We can ship the machine to your shipper’s nearest terminal or you can have your machine delivered to any lumberyard, factory, or business that has a forklift. Bring an open bed pickup or trailer to take your crated Smithy home. We can also arrange to have your machine brought out to a residential address with liftgate for a nominal fee. (*See Machine Shipping details)*

**Surprisingly easy to unload**

How do you unload? Some suggestions: bribe two or three friends with pizza, or rent an engine hoist. Your Smithy comes fully assembled but it’s easy to lighten the load. The tailstock slides right off the main bed once you undo the locks. The millhead can also be removed with some help from a friend. Smithys also have four lifting handles in the bed.

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**2-YEAR Warranty**

Smithy 3-in-1 machines are warranted for two years from the date of shipment against defects in materials and workmanship (unless otherwise noted), to the original purchaser. During that time, Smithy will replace any defective parts that are returned to our warehouse, free of charge. Upon receipt of the defective parts, Smithy technicians will arrange with you to send replacement parts immediately. This warranty does not cover parts that are worn out through the negligence on the part of the operator, nor does it cover consequential damages resulting from defects in material or workmanship.

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**30-DAY RETURN POLICY**

Try a Smithy for 30 days from the day you sign for receipt of the machine. If, for any reason within that time, you decide to return your Smithy, just call our Customer Service department at 1-800-476-4849. We will help you arrange shipping back to us. When we receive the machine back, we will refund your full purchase price.  
Please note: return shipping charges and any shipping damage from improper repacking is your responsibility.
You Will Machine Like a Pro

At home or on the job...

- **SAVE MONEY** by machining your own parts
- **MAKE MONEY** machining for others
- **ELIMINATE** down time waiting for parts
- **EXPAND** your capabilities and earning potential

**Mike’s shop saves $12,000 with in-house machining**

Mike runs a motorcycle repair shop and sells a few used bikes a month. Until he got his Smithy, he was sending engines out for cylinder head resurfacing and cylinder boring. Now that he does it all himself, he saves about $1,000 a month.

**Home machinist saved thousands on 4-wheelin’**

Bob loves four-wheeling and has been a member of his local Jeep club for years. He’s added lift kits, machined his own hubs, and has upgraded his Jeep many other ways with his Smithy. Machining it all himself makes it affordable: he doesn’t have to buy custom-made parts at high, machine shop prices.

**No more down time**

Wendell and his business partner own a small textile factory. Last year, a German sewing machine clutch broke and production stopped. They weren’t sure how long it would take to get a replacement part or if it they could even find one. Putting their Smithy to work instead, they had the sewing machine back in production the same day.

**Gunsmith saves $5,000**

Douglas could have purchased a reproduction Sharps Model 1874, breechloading, .45-70 caliber rifle—if he wanted to wait five years and spend $5,500. Instead, he built his own with his Smithy. Total cost, excluding sights: $263.

See more user stories & tons of project ideas at our new website: www.smithy.com!