



# PIPE SPOOL **MASTER**



PIPE FACING, BEVELING, THREADING MACHINES

## ABOUT RMT



Some of the Revolution Machine Tools Team

Revolution Machine Tools (RMT), founded by long time industry leader Kyle Jorgenson, is a metal fabrication machine tools company. RMT's design team has created the most innovative and precise tools in the North American market today. We are partners with leading manufacturers who build our designs to our stringent specifications in state of the art manufacturing facilities.

Kyle Jorgenson started in the Machine Tool industry working with his father, Roger Jorgenson, who founded Jorgenson Machine Tools in 1974. Roger taught Kyle how important relationships and customer service are, and Kyle has built his reputation on those principles. Revolution Machine Tools is supported by an ever expanding team of industry professionals, which include design, marketing, service and support, who have these same values and respect Kyle's vision. Together, they are creating a revolution in the Machine Tool industry.

RMT's main focus is in large cutting, forming, and rolling machines for the metal fabrication industry. RMT's research and development team has created the most innovative, fast, durable and accurate machines in the industry. Our machines are all backed by a strong warranty and an outstanding service team dedicated to keeping your machines operational. We understand the time value of money and how expensive downtime can be.



RMT offers several innovative machines including Fiber Lasers, Press Brakes, Plate Rolls, Ironworkers, Angle Rolls, Shears, Structural Steel Drills, Band Saws, and much more. All Revolution Machine Tool product designs are built for durability, precision, repeatability, and speed.



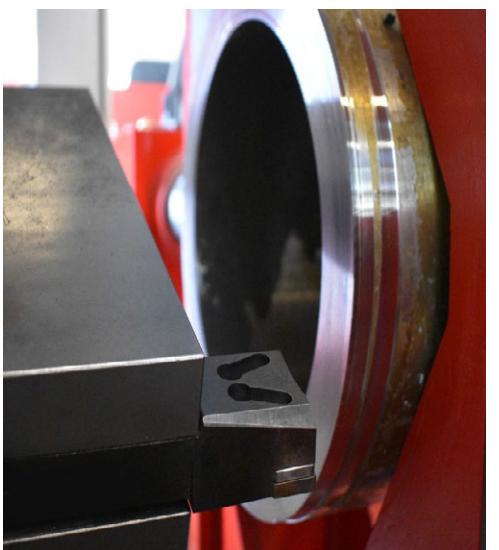
Kyle JORGENSEN / President

### The pipe fabrication industry is about to change...

The pipe fabrication industry hasn't changed much over the last few decades, from pricing to processes it's a tough business. It's been the backbone for global growth - providing energy, fluids and gases in critical environments, making quality control a critical component.

The PIPE SPOOL MASTER Series of pipe profiling machines changes all of that. Now, a bevel that historically took 2-8 hours with other facing machines, or a boring mill, can be done in minutes with a better surface and more accurately. The PIPE SPOOL MASTER machines will dramatically increase your shop's productivity, added quality, throughput and a smaller footprint than machines such as a boring mill or through spindle lathe. Set up and programming are also fast, easy and intuitive.

The PIPE SPOOL MASTER Series of machines will change the face of pipe fabrication. Make sure your shop is at the forefront of the revolution!



We take pleasure in helping our customers to be successful. Many of our customers have become lifelong friends which has carried over through several generations.



## QUALIFIED SERVICE TECHNICIANS

Join the Revolution with service technicians from Revolution Machine Tools that can maintain, troubleshoot and fix your machines. Our goal at RMT is to ensure our customers experience smooth operations and greater return on investment by having their machines repaired and maintained by qualified personnel who are committed to the customer's success.

The service team at Revolution Machine Tools is experienced and able to diagnose, repair and install your equipment when you need it. Twenty-four hours a day, you will reach a live service technician 365 days out of the year. We know that you can't wait for days or weeks to keep your production deadlines, and we are committed to minimizing your downtime and keeping your manufacturing processes moving forward.

## PREVENTATIVE MAINTENANCE PROGRAM

Keeping your machines operating at their peak performance is key to successful manufacturing. At Revolution Machine Tools, we have the right preventative maintenance plan to fit your needs; thus, keeping your machines performing at their most efficient levels.

Our service technicians will create the perfect preventative maintenance plan for you. They will evaluate your machines, and provide you with a customized maintenance plan. Each plan will include general maintenance, safety evaluations, suggested repairs and part replacement.



## SERVICE WHEN YOU NEED IT

Twenty-four hours a day, seven-days a week, you can count on Revolution Machine Tools to be there when you need them. How many times have you needed customer service for a machine breakdown? Each and every breakdown equates to a loss in opportunity cost and profit. At Revolution Machine Tools, we are committed to making sure you get the most out of your equipment, and when it does breakdown, providing repair services in a timely manner.



SERVICE HOTLINE  
**844-RMT-SERV (768-7378)**  
SERVICE@RMTUS.COM



## SUPERIOR PARTS AND TOOLING

Every machine used in the chipping, fabrication and forming of metal has consumables and tooling to keep them performing efficiently. These consumables and tools range from hydraulic oil, laser nozzle tips, replacement parts, software and more. Making sure you have the right products to take care of your machines is what we at Revolution Machine Tools specialize in. We stock the highest grade consumables, replacement parts and tooling to fit your needs; and, if on the rare occasion we don't have the part, we most likely know where to find it.

Our parts and tooling department is constantly looking for ways to maximize the potential of your machines. Specialized tooling can be ordered and shipped to your location. We have qualified customer service representatives who can help you find solutions and answers to your manufacturing needs.

Revolution Machine Tools and its staff are committed to providing you the most effective service possible. We encourage you to call, even if we don't carry your brand of machine, and see if we can support you in making sure you have the right parts and tooling to fulfill your production goals and needs.



Talip, Parts and Tooling Manager

## REPLACEMENT PARTS AND ACCESSORIES



REPLACEMENT TOOLING



REPLACEMENT CLAMPING



MACHINE PARTS

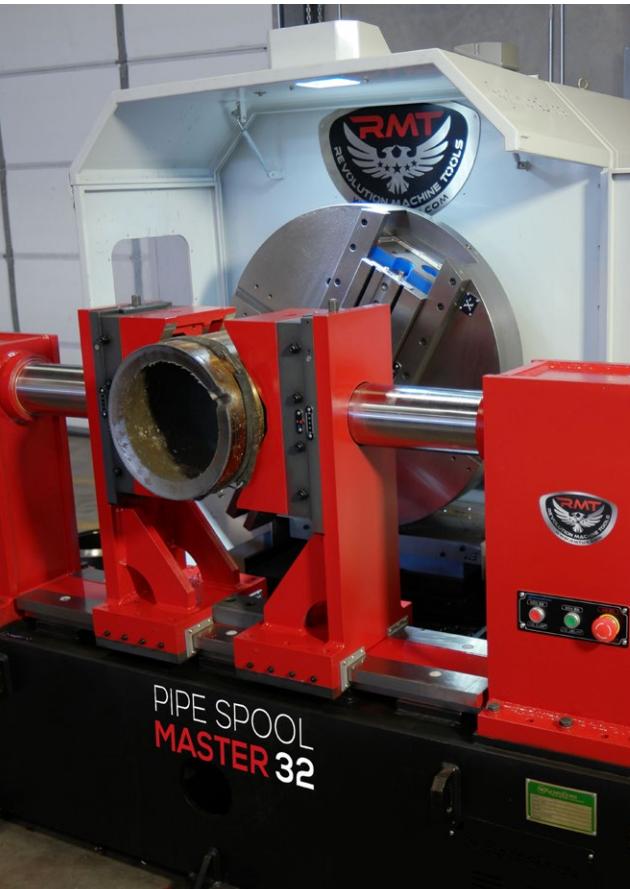
REVOLUTION MACHINE TOOLS, PARTS AND TOOLING: 844.768.4636 OR PARTS@RMTUS.COM  
store.rmtus.com

## BENEFITS OF RMT PIPE SPOOL MASTER SERIES MACHINES

The piping fabrication industry has been a backbone of American growth and infrastructure. Pipelines, oil, energy, medical, food and paper have all grown due to the work done by pipe fabricators across the country. It's full of the grittiest and most talented welders in the world.

However, the technology that exists in today's pipe shop hasn't changed much in decades. The capacity to put complex bevels on basic carbon pipe and even harder P91 Chrome Alloy pipe has been a mix of old boring mills, tri-tools and plasma/oxy processes. They're slow, burdensome and are usually the bottleneck of any shop pushing out any decent amount of pre-prepped pipe, as well as accuracy and quality issues when trying to complete a J or U bevel with any complexity. However, Revolution Machine Tools has just introduced a new machine that will literally revolutionize the industry.

Introducing the RMT PIPE SPOOL MASTER Series of pipe facing lathes. Many shops, depending on equipment, will put out 1-4 larger diameter pipes a day with the machined bevel quality required; taking anywhere from 1-4 hours per pipe to set up and "machine" the end of the pipe. The new RMT PIPE SPOOL MASTER Series machines can knock that time down to 15-30 minutes including setup. The machine does not spin the pipe, but rather clamps and centers the material, while a facing head spins and approaches the material while inside the machine. 12" XH wall (1-1/2") P91 pipe processed with a complex bevel including C-dimension was processed in 20 minutes. (see video on our website). The RMT PIPE SPOOL MASTER Series of machines can dramatically increase your shop's capacity and output, giving you a huge advantage over your competitors and increasing your profitability; all while taking up minimal floor space and overhead. Contact your RMT Rep today to find out more!



### Take the Time & Guesswork out of Beveling

It's all about time! The PIPE SPOOL MASTER Series of machines are revolutionizing the pipe fabrication industry. Designed to dramatically cut down your shop's beveling time; a complex J or U bevel that took hours to put on pipe can now be done in minutes. The PIPE SPOOL MASTER Series of machines is built out of strong stress relieved material with a sturdy frame that takes up a small footprint in your shop which increases both efficiencies and profitability. Is your company ready to grow?

### Bevel Efficiently

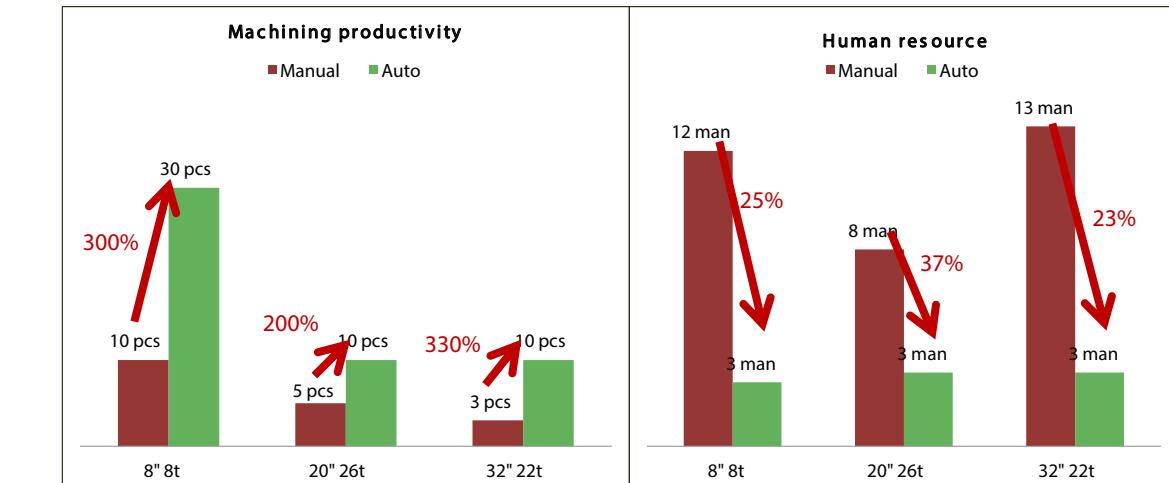
Standard practices of using a tri-tool or boring mill are about to dramatically change. The PIPE SPOOL MASTER Series of machines can put complex bevels, such as J, U, and V profiles, including C dimensions and difficult radiused bevels on your critical pipe ends in minutes. With the conversational controller, the PIPE SPOOL MASTER can be programmed and profiling in minutes. Even your hard to process and expensive materials are no problem for the PIPE SPOOL MASTER. By no longer needing to plasma cut pipe you can also cut down on waste and scrap.

### Bevel Accurately

Precision and finish your welders will love. The PIPE SPOOL MASTER may be fast, but it's also accurate. Critical C Dimensions and landings are important in making sure your prefinished pipe is easily installed in the field. Don't cost yourself more time and money by sending out inaccurate pipe. The PIPE SPOOL MASTER's accuracy and control allows you to insure your own quality.

### Bevel Safely

Safety is RMT's primary concern, and safety is built into the PIPE SPOOL MASTER Series machines. With multiple E-Stops and the encased cutting head you can be sure that your operator will be happy and safe while he goes throughout his day. RMT will train and support your shop on how to not only program and run the PIPE SPOOL MASTER, but also the do's and don'ts of the machine.



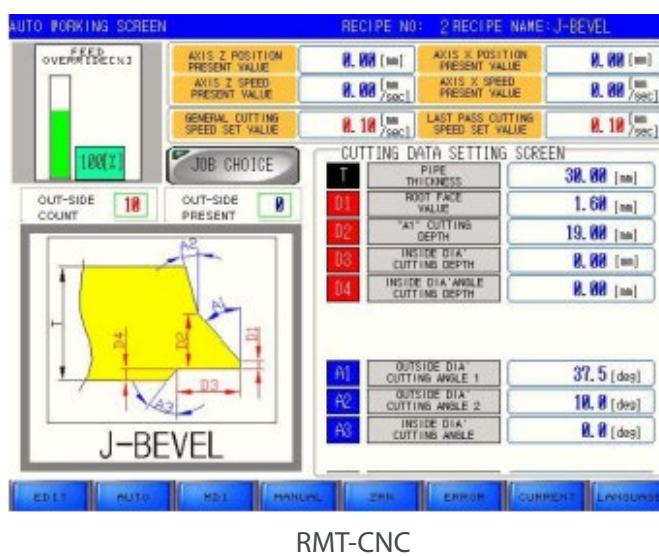
A. Automatic Type				
Pipe O.D. (mm)	Thickness (mm)	Material	Beveling	Time (Min)
12"(304.8)	25	CS		12
16"(406.4)	25	CS		12
20"(508.0)	38	CS		18
24"(609.0)	70	CS		35
32"(812.8)	36	CS		19
B. Manual Type				
Pipe O.D. (mm)	Thickness (mm)	Material	Beveling	Time (Min)
10"(254.0)	13	CS		0.8
12"(304.8)	10	CS		0.7
18"(457.2)	15	CS		1.3
20"(508.0)	15	CS		1.4
22"(558.8)	15	CS		1.5
24"(609.6)	10	CS		1

## MAIN FEATURES



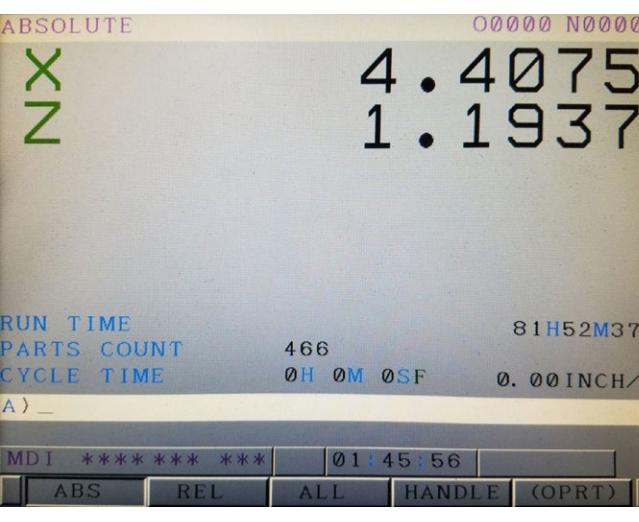
## RMT CNC & FANUC CNC CONTROL UNITS

The RMT CNC controller is an intuitive graphical controller. Using conversational programming, it is simple to input dimensions and angles for your bevel as well as the pipe dimensions, OD, and wall thickness. The FANUC CNC controller, although not a graphical control, is a higher end G-Code based controller and does more than beveling and allows for threading and grooving. It is more versatile, but has a much larger learning curve and requires a good understanding of G-Code.



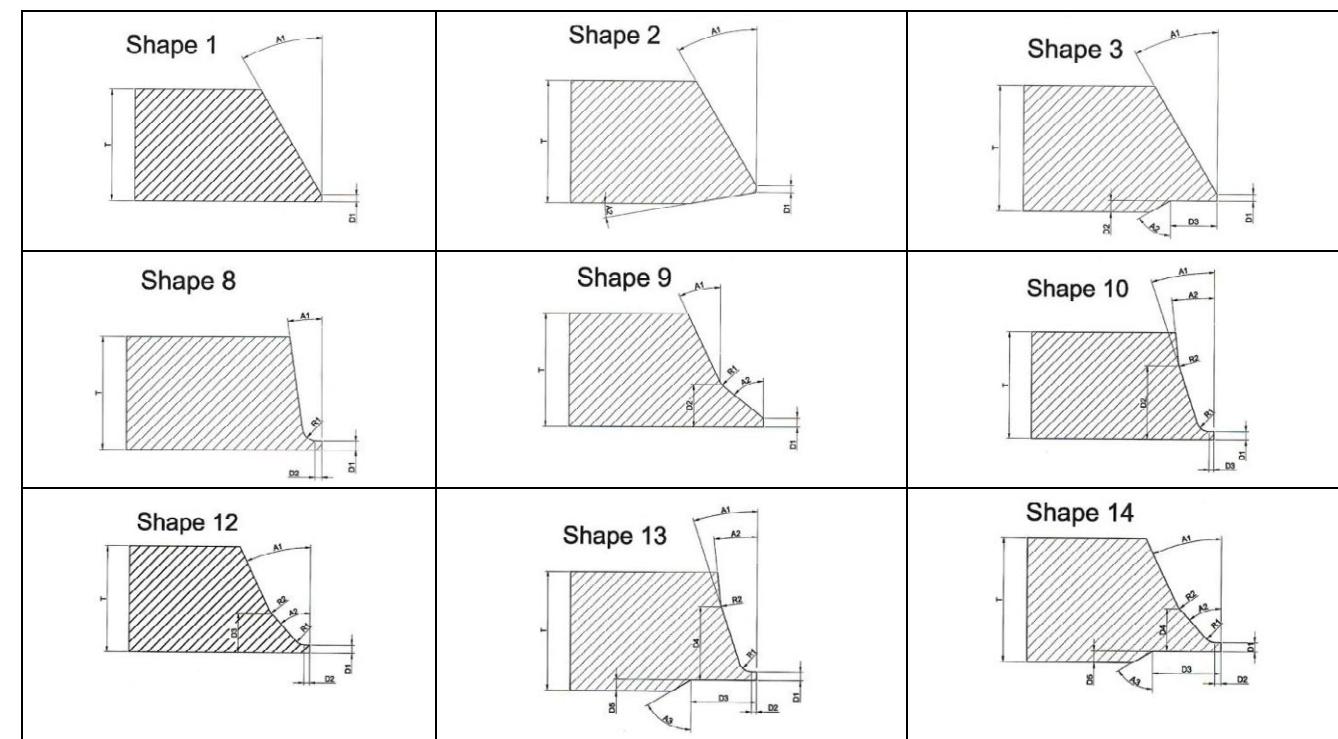
RMT-CNC

CNC-RMT Control unit has infinite possibilities! Able to use manual type (hard set profile tooling) or use single point carbide tools. Features quick programming of simple and complex bevels, and can save over 50 profiles into memory. Able to quickly recall programs from memory for any saved V, J, U, complex, compound, and even C dimension or internal boring. Only the optional FANUC control offers the threading function.



FANUC-CNC

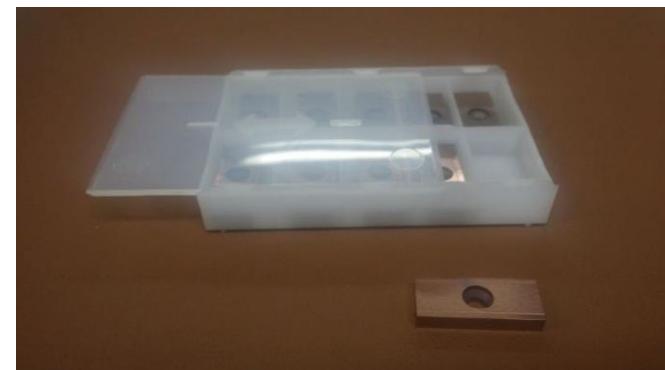
## CNC RMT STANDARD SHAPES



## TOOL HOLDER & TIPS

### Manual Type (Hard set profile tooling) Holder and Tips

There are 90, 30, 35, and 37.5 degree holders depending on the processing angles required.



### Automatic Type Holder and Tips

All four sides can be used if one side becomes worn or broken which keeps tooling and consumable costs very economical.



## PIPE SPOOL MASTER 8

This compact beveling machine allows you to put any degree angled V bevels on your pipe or tube from sizes 1"-8" OD. Super efficient and easy to setup and use, the PIPE SPOOL MASTER 8 can save your shop hours of beveling time. It's a necessity for any shop.



Simple Bevels Quickly Achieved



## THE WORLD'S MOST VERSATILE PIPE PROCESSING MACHINE

Optimum Production Efficiency  
Wide Range 1" to 8" Capacity  
Precise Pipe & Bolt Threading  
FANUC CNC  
High Speed Cut Groove, Beveling, Turning & Tapering  
Custom Profiles

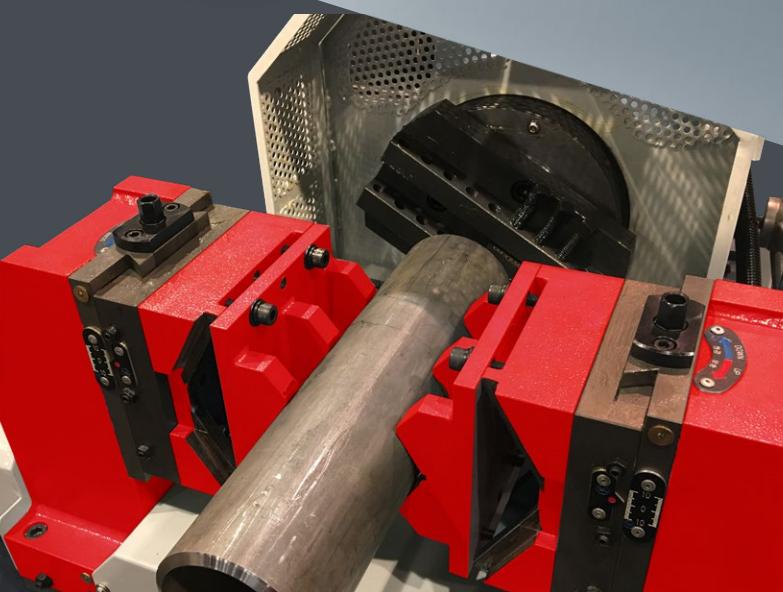


Pipe Threading in Seconds



## PIPE TGB MASTER 8 CNC

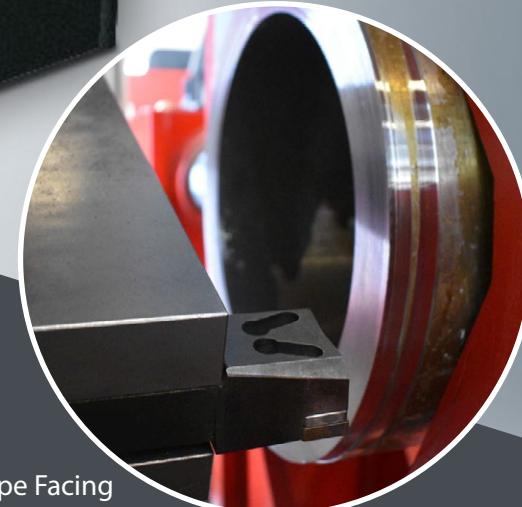
PIPE SPOOL MASTER 8	DETAILS
Machine Capacity OD	1-1/2"-8"
Wall thickness Capacity (single pass)	1/4" per pass
Spindle RPMs Max	400 RPM
X-axis Stroke	5"
Z-axis Stroke	5"
Weight	2,000 lbs
Main Motor	5 Hp
Machine Dimensions (LxWxH)	47.25" x 39.4" x 57.9"
Standard Bevels	V Bevel (30° & 37.5°)
Complex Bevels (U, J & C dimensions)	N/A Manual Machine
Threading	N/A Manual Machine



Excellent Cut Grooving

PIPE TGB MASTER 8 CNC	DETAILS
Machine Capacity OD	1"- 8"
Facing Chuck Diameter	10"
Spindle Speed	100 - 900 RPM
Main Motor	5.5 HP
X-axis Motor(Servo)	1 HP
Z-axis Motor(Servo)	1 HP
X-axis Distance	1.57"
Z-axis Distance	3.75"
Weight	3,410 lbs
Center Height	34.64"
Machine Dimensions (LxWxH)	67" x 66" x 59"

## PIPE SPOOL MASTER 16



The PIPE SPOOL MASTER 16 is a stout and flexible pipe beveling machine. Designed to put V bevels on pipe 3"-16" OD in various angles, such as your basic 30 and 37.5 degree. Super efficient and easy to setup and use, the PIPE SPOOL MASTER 16 will save your shop hours of beveling time. It's a necessity for any shop.

PIPE SPOOL MASTER 16	DETAILS
Machine Capacity OD	3"- 16"
Wall thickness Capacity (single pass)	1/4" per pass
Spindle RPMs Max	200 RPM
X-axis Stroke	6"
Z-axis Stroke	6"
Weight	4,000 lbs
Main Motor	7.5 Hp
Machine Dimensions (LxWxH)	60" x 50" x 58"
Standard Bevels	V Bevel (30° & 37.5°)
Complex Bevels (U, J & C dimensions)	N/A Manual Machine
Threading	N/A Manual Machine

The PIPE SPOOL MASTER 32 is the workhorse for any pipe fabrication shop. Designed to put complex bevels on your pipes 6"-32" within minutes. A superior finish over traditional methods and one that your welders will love on wall thicknesses up to 3.9". Your J, U & V bevels, including radiused bevels are now easily programmed and processed in minutes rather than hours. With the upgraded controller you can even thread the ends of your pipe or tubes. The PIPE SPOOL MASTER 32 is revolutionizing the pipe fab industry and will dramatically increase your shop's efficiency and your company's profitability.



Complex Bevels Quickly Achieved

## PIPE SPOOL MASTER 32



Flange Facing

PIPE SPOOL MASTER 32	DETAILS
Machine Capacity OD	6"- 32"
Wall thickness Capacity (single pass)	3.9" per pass
Spindle RPMs Max	150 RPM
X-axis Stroke	7"
Z-axis Stroke	4.72"
Weight	12,800 lbs
Main Motor	10 Hp
Machine Dimensions (LxWxH)	92.5" x 91.75" x 76.75"
Standard Bevels	V Bevel (30° & 37.5°)
Complex Bevels (U, J & C dimensions)	Standard
Threading	Available on CNC

## PIPE SPOOL MASTER 40



PIPE SPOOL MASTER 40	DETAILS
Machine Capacity OD	12"- 40"
Wall thickness Capacity (single pass)	3.9" per pass
Spindle RPMs Max	150 RPM
X-axis Stroke	7"
Z-axis Stroke	4.72"
Weight	18,750 lbs
Main Motor	15 Hp
Machine Dimensions (LxWxH)	98" x 102.75" x 85.75"
Standard Bevels	V Bevel (30° & 37.5°)
Complex Bevels (U, J & C dimensions)	Standard
Threading	Available on CNC

### Pipe & Flange Threading

The PIPE SPOOL MASTER 40 is the flagship of the PIPE SPOOL MASTER Series and is the workhorse for any pipe fabrication shop. Designed to process complex bevels in minutes on pipes from 16"-40" and wall thicknesses up to 3.9". Your J, U & V bevels, including radiused bevels are now easily programmed and processed in minutes rather than hours. With the upgraded controller you can even thread the ends of your pipe or tubes. The PIPE SPOOL MASTER Series machines are revolutionizing the pipe fab industry and will increase your shop's efficiencies and your company's profitability.

## PIPE SPOOL MASTER 48



Shown with options.



### Heavy Duty Pipe Vices

The PIPE SPOOL MASTER 48 is the workhorse for any pipe fabrication shop. Designed to put complex bevels on your pipes 12"-48" within minutes. A superior finish over traditional methods and one that your welders will love on wall thicknesses up to 3.9". Your J, U & V bevels, including radiused bevels are now easily programmed and processed in minutes rather than hours. With the upgraded controller you can even thread the ends of your pipe or tubes. The PIPE SPOOL MASTER 48 is revolutionizing the pipe fab industry and will dramatically increase your shop's efficiency and your company's profitability.

PIPE SPOOL MASTER 48	DETAILS
Machine Capacity OD	12"- 48"
Wall thickness Capacity (single pass)	3.9" per pass
Spindle RPMs Max	150 RPM
X-axis Stroke	7"
Z-axis Stroke	4.72"
Weight	22,500 lbs
Main Motor	10 Hp
Machine Dimensions (LxWxH)	112" x 96" x 85"
Standard Bevels	V Bevel (30° & 37.5°)
Complex Bevels (U, J & C dimensions)	Standard
Threading	Available on CNC

## PIPE SPOOL MASTER 60



Flange Facing

PIPE SPOOL MASTER 60	DETAILS
Machine Capacity OD	16"- 60"
Wall thickness Capacity (single pass)	3.9" per pass
Spindle RPMs Max	80 RPM
X-axis Stroke	7"
Z-axis Stroke	4.72"
Weight	23,160 lbs
Main Motor	30 Hp
Machine Dimensions (LxWxH)	112.25" x 108.25" x 112.25"
Standard Bevels	V Bevel (30° & 37.5°)
Complex Bevels (U, J & C dimensions)	Standard
Threading	Available on CNC

The PIPE SPOOL MASTER 60 gives you as a pipe fabricator, a BIG advantage over your competition. The ability to process complex pipe bevels on 16"-60" material in minutes gives you vast flexibility and the ability to chase a variety of markets and customers. Your J, U & V bevels, including radiused bevels are now easily programmed and processed in minutes rather than hours. With the upgraded controller you can even thread the ends of your pipe or tubes. The PIPE SPOOL MASTER Series machines are revolutionizing the pipe fab industry and will increase your shop's efficiencies and your company's profitability.



## MACHINE CAPACITIES OF UP TO 150" IN DIAMETER



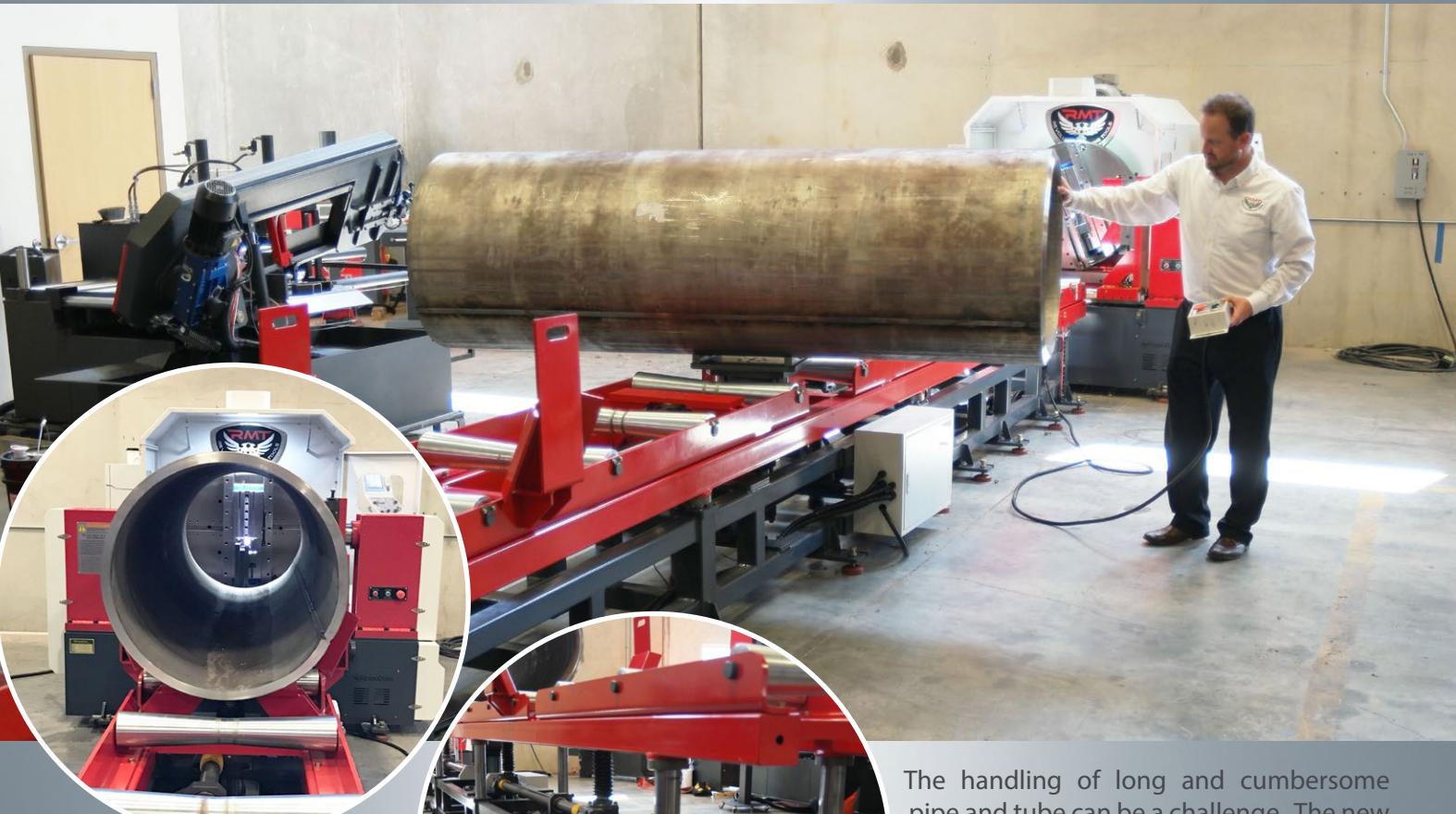
Giant Pipe Beveling

PIPE SPOOL MASTER 80	DETAILS
Machine Capacity OD	32"- 80"
Wall thickness Capacity (single pass)	7.8" per pass
Spindle RPMs Max	60 RPM
X-axis Stroke	7"
Z-axis Stroke	4.72"
Weight	26,500 lbs
Main Motor	30 Hp
Machine Dimensions (LxWxH)	137" x 133" x 137"
Standard Bevels	V Bevel (30° & 37.5°)
Complex Bevels (U, J & C dimensions)	Standard
Threading	Available on CNC

The PIPE SPOOL MASTER 80 gives you a GIANT leg up on your competition in the pipe fabrication industry. The ability to process complex pipe bevels on 32"-80" material in minutes allows you flexibility to chase a variety of niche markets and customers. Your J, U & V bevels, including C-dimension and radiused bevels, are now easily programmed and processed in minutes rather than hours. With the upgraded controller you can even thread your pipe or tubes. The PIPE SPOOL MASTER Series of machines are revolutionizing the pipe fab industry and will increase both your shop's efficiencies and your company's profits.

## PIPE SPOOL MASTER ROLLER TABLES

## AUTOMATION & APPLICATIONS



The handling of long and cumbersome pipe and tube can be a challenge. The new LS Series of roller feeds allows you to not only roll your material to your PIPE SPOOL MASTER machine, but also raises and lowers to bring the pipe to the right height of the jaws. Along with the adjustability of the height, the LS Series of rollers has our Lazy Susan pipe rotator built right in! Now you can quickly turn your pipe around to process both sides of the pipe without a forklift or having to use a crane!

MODEL	1120LS Rollers	1126LS Rollers	2220LS Rollers	2226LS Rollers	3320LS Rollers	3326LS Rollers
Up & Down Table Stroke	7"	7"	13.75"	13.75"	13.75"	13.75"
Weight Capacity	11,000 lbs	11,000 lbs	22000 lbs	22000 lbs	33000 lbs	33000 lbs
Lazy Susan (Turn table) Stroke	4.3"	4.3"	6"	6"	6"	6"
Lazy Susan (Turn table) Weight Cap	4000 lbs	4000 lbs	4000 lbs	4000 lbs	5500 lbs	5500 lbs
Motor	2HP	2HP	5HP	5HP	7HP	7HP
Dimensions (LxWxH)	240" x 18" x 29.5"	315" x 18" x 29.5"	240" x 26" x 29.5"	315" x 26" 29.5"	240" x 41.25" x 31.5"	315" x 41.25" x 31.5"



Bent Pipe Beveling



Elbow Beveling



Profiling & Sawing Application



Profiling & Sawing Application



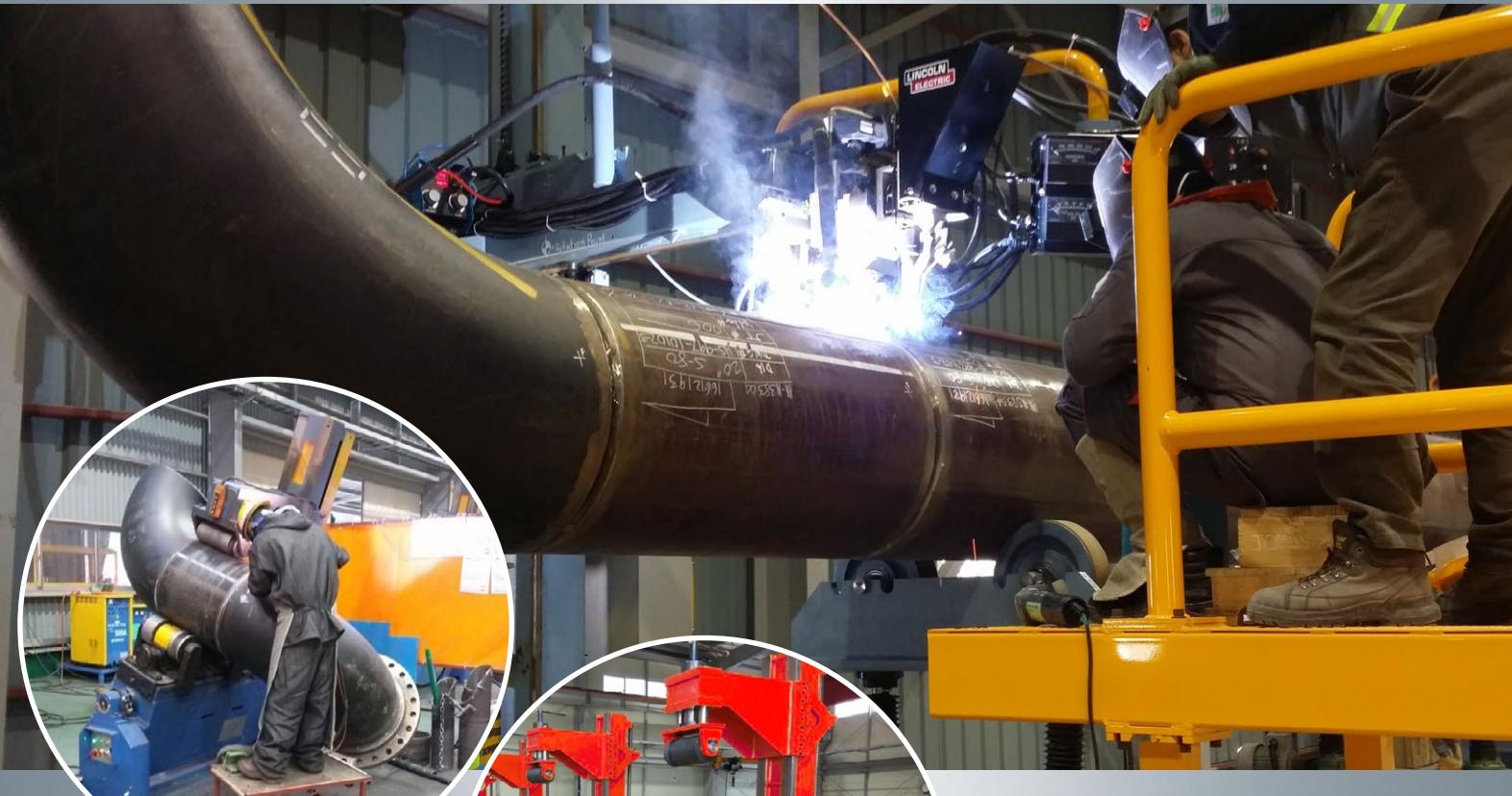
PIPE SPOOL MASTER 144



Double End Facing Application

Revolution Machine Tools' PIPE SPOOL MASTER Series of machines doesn't just stop at the PIPE SPOOL MASTER 80! Ask us about larger capacity machines and different applications.

## TILTABLE PIPE ROTATORS



RMT Pipe rotators are used for clamping, rotating, and tilting of pipes with round profiles in manual and automatic welding, mainly in the field of pipe construction (prefabrication and assembly on site) and central heating construction.

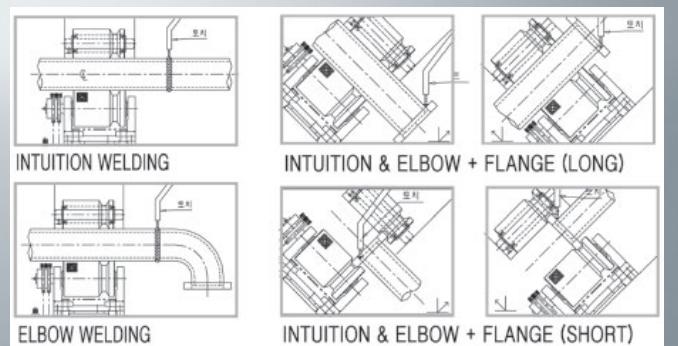


MODEL	W-TPR 12	W-TPR 24	W-TPR 40
Pipe Capacity	1" - 12"	2" - 24"	4" - 40"
Weight Capacity	2200 lbs	4400 lbs	6600 lbs
Max Turning Speed Per Min	47	40	30
Tilting Angle		Up To + or - 45°	
Turning/ Tilting/ Lifting Motors	0.5 HP/ 1 HP/ 1HP	2 HP/ 1 HP/ 1 HP	2 HP/ 2 HP/ 2 HP
Dimensions (LxWxH)	54" x 56" x 65"	69" x 60" x 83"	69" x 60" x 95"

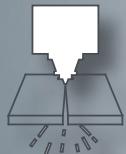


RMT Pipe Rotator with Clamping Roller System has essential advantages over traditional devices.

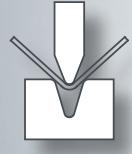
- They can be used for pipes with elbows, Tee pieces, or other offset loads.
- A wide range of pipes can be clamped. The infinitely variable rotary speed is not affected by the size of a pipe because of its separate drive unit.
- Quick precise centering and clamping without chuck, clamping shoe, etc.
- Flexible pipe handling - pipe can be clamped at its center of gravity. Tilting moments and supports are irrelevant in most cases.
- It is possible to center two pipes with the same diameter.
- Various combinations are possible - e.g. clamping and driving of a main spindle.



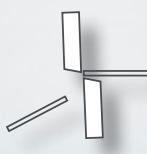
# KYSON



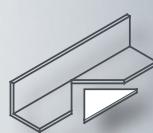
Fiber Lasers



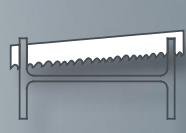
Press Brakes



Shears



Ironworkers



Bandsaws

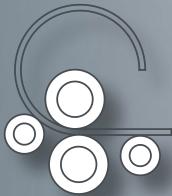
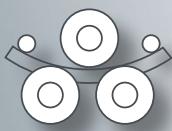


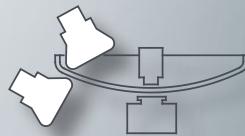
Plate Rolls



Angle Rolls



Dishing Presses



Flanging Machines



Drilling Machines

*"If you need a machine and don't buy it, you'll find that you have paid for it anyway, but don't have it."*  
Henry Ford

Revolution Machine Tools

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