



## HANDS OFF ABRASIVE CUTTING

High Powered Motor | Consistent Performance | Automated Operations

SPECIFICATION	MEGA-T300A
Cut-off size blade size	12-inch (305 mm)
Arbor size	32 mm
Cutting capacity	Max diameter: 4-inch (100 mm)
Cutting capacity (H x D)	Maximum: 3 x 8-inch (70 x 200 mm)
Vertical movement (z-axis)	7-inch (175 mm)
Table feed movement (x-axis) and speed	1.8-inch (45mm) 0.04 to 0.07 inches/sec.(1-2mm/sec.)
Table feed movement (y-axis) and speed	7-inch (180 mm) 0.04 to 0.20-inches/sec (1-10 mm/sec.)
Electrical Specifications	208V / 380V or 480V 3-phase (50/60 Hz)
Cutting force	3 - 15 amps (208V/380V) 3 -25 amps (480V)
Motor power	Constant torque variable speed servo motor: - 4.5 KW (5.8 hp) 208V/380V or -7.5 KW (9 hp) 380V/480V
Motor Speed (rpm)	Variable (1500-3500 rpm)
Dimensions (W x D x H)	<b>Hood closed:</b> 42 x 42 x 30-inch (1070 x 1070 x 760 mm) <b>Hood open:</b> 42 x 42 x 36-inch (1070 x 1070 x 930 mm)
Weight	500-550 lbs (230-250 kg)

**2 year warranty**  
Limited warranty



Embrace a new era of cutting excellence with the **MEGA-T300A** Automated Abrasive Cutter. This cutting-edge 12-inch wheel saw is engineered to revolutionize your cutting applications, delivering a level of versatility and control that elevates cutting tasks into a realm of seamless efficiency. Automated cutting operation redefines the cutting experience increasing process consistency and efficiency. Designed to effortlessly handle a diverse range of materials, the MEGA-T300A harnesses the power of a constant torque servo motor, ensuring consistent and optimal performance with every operation. Supported by twin t-slotted stainless steel tables, this automated machine maintains unwavering stability during the most intricate cutting tasks, ensuring superior results each time. Step into a future where precision is effortlessly fused with automation.



Machinery directive 2006/42/EC  
RoHS Directive 2011/65/EU



3601 E. 34th Street, Tucson, AZ 85713  
P: +1 (520) 882-6598  
F: +1 (520) 882-6599  
pace@metallographic.com

## APPLICATIONS

- Ferrous metals
- Non-ferrous metals
- Foundry castings
- Power metallurgy
- Heat treated parts
- Specialty alloys
- Wrought metals



MAXCUT Abrasive cutting fluid



10-inch MAX-A250  
Abrasive Blade















MEGA BENCH  
Catalog no. MEGA-T2-BENCH

CUTTING FLUID	APPLICATION	DILUTION	CHANGE FREQUENCY
MAXCUT	As a replacement for competitors cutting fluids	25:1 (water)	50 cuts or weekly
MAXCUT2	Recommended for reducing corrosion in cutting chambers	25:1 (water)	50 cuts or weekly

### Tips: Abrasive Cutter Care:

1. Use clean/fresh MAXCUT2 cutting fluid; fluid should be changed weekly
2. Rinse and dry table and vises after use
3. When cutter is not in use open hood to prevent humidity build-up
4. If cutter will not be used for an extended period of time, spray table and vises with a water displacement oil such as WD40®

ABRASIVE BLADE	M.O.S	CATALOG #	QTY
Soft non-ferrous materials	3440	MAX-C250	10/box
Hard non-ferrous materials	3440	MAX-C250	10/box
Soft steel	4500	MAX-E250	10/box
General purpose resin bonded	4585	MAX-D250	10/box
Nickel & Superalloys	4580	MAX-A250	10/box
Very hard heat treated and case hardened ferrous materials (>50 Rc)	3055	MAX-VHS250	10/box
Universal thin blade	4580	MAX-A250	10/box
General industrial blade	4500	MAX-I250	10/box
180 grit high concentration Diamond Abrasive Cutting Wheel	6100	DMAX-250	10/box

<b>VERTICAL CLAMPING VISE</b> (1.38-INCH / 35 MM)  <b># MG-01</b>	<b>VERTICAL CLAMPING VISE</b> (2.8-INCH / 71 MM)  <b># MG-15</b>	<b>HEIGHT ADAPTER FOR</b> MG-01 OR MG-15 VISES (2.6-INCH / 65 MM)  <b># MG-H</b>	<b>VERTICAL CLAMPING VISE</b> (2.0-INCH / 51 MM)  <b># MG-E</b>
<b>HEIGHT ADAPTER FOR MG-E</b> VISE (2.25-INCH / 57 MM)  <b># MG-EH</b>	<b>ARM EXTENSION FOR MG-E</b> VISE (1.25-INCH / 32 MM)  <b># MG-EX</b>	<b>SADDLE VISE</b>  <b># MEGA-702</b>	<b>FASTENER VISE</b>  <b># MEGA-711</b>
<b>BACK STOP PLATE</b>  <b># QCB-1000</b>	<b>BACK STOP PLATE (RIGHT)</b> FOR MEGA-M250S ONLY  <b># QCBR-M250S</b>	<b>QUICK RELEASE CLAMPING</b> VISE (LEFT HAND)  <b># QCL-1000</b>	<b>QUICK RELEASE CLAMPING</b> VISE (RIGHT HAND)  <b># QCR-1000</b>