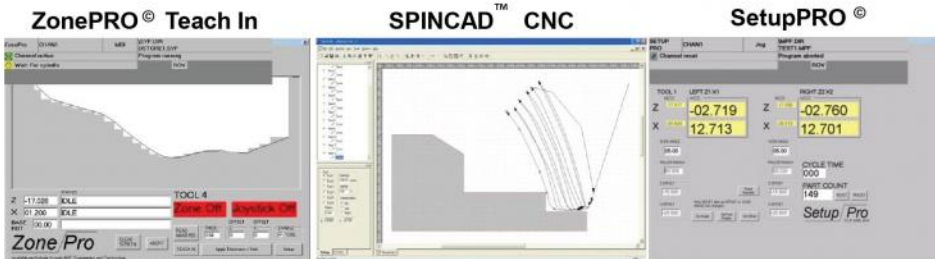


Revolutionary Machine Programming Software

- Revolutionary software solutions from MD that ease the use and setup of modern CNC spin forming machines.
- Roller Positioning and Offset Control
- Longitudinal Axis Force Feedback
- Main Spindle Motor Load Feedback
- Actual Cycle Time Timer for Production Cycle Optimization
- Production Part Counter for counting up or down

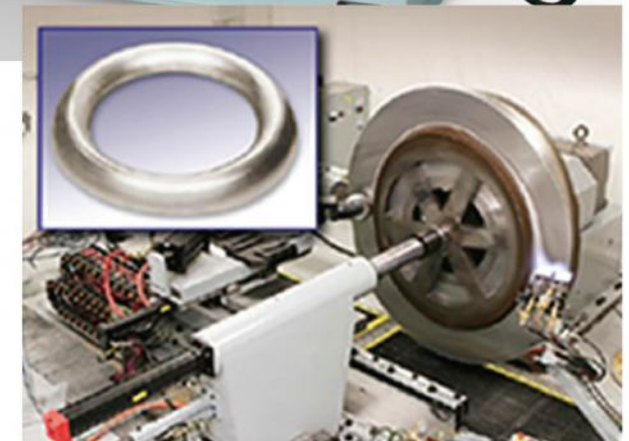


Machine Specifications

Machine Model	MA-3230	MA-4250	MA-48100	MA-60100	MA-72100
Blank Piece Dimensions:	800 mm	1066 mm	1219 mm	1524 mm	1828 mm
Spindle Drive AC Vector:	23 KW	38 KW	75 KW	75KW	75 KW
Spindle Mounting:	DIN #8	DIN #11	DIN #11	DIN #11	DIN #11
Tailstock Stroke:	500 mm	500 mm	610 mm	610mm	610 mm
Tailstock Force:	22 kN	24 kN	28 kN	28 kN	43 kN
"X" -axis Stroke:	355 mm	355 mm	406 mm	406 mm	452 mm
"X" -axis Force:	66 kN	111 kN	167 kN	167 kN	167 kN
"Z" -axis Stroke:	500 mm	500 mm	610 mm	610 mm	914 mm
"Z" -axis Force:	66 kN	111 kN	167 kN	167 kN	167 kN
Max. Axis Speed:	9000 mm/min.	9000 mm/min	6096 mm /min.	6096 mm /min	6096 mm /min.
Slide Lubrication Method:	Grease	Grease	Grease	Grease	Grease
Hydraulic Components:	Parker	Parker	Parker	Parker	Parker
Siemens PLC Control:	Step 7	Step 7	Step 7	Step 7	Step 7
Siemens CNC Control:	840Dsl		840Dsl	840Dsl	840Dsl



Advanced CNC Equipment for Metal Forming Technology CNC Spinning Machine



**ENGINEERED
PERFECTION**

Heavy Duty “MA” CNC Spinning Machines

MD “MA” CNC Spinning Machines are specially designed for manufacturing of a wide variety of industrial and commercial applications. Using the latest technology available and standard components ensures the highest productivity while keeping maintenance and cost of ownership the lowest in the world. MD customers benefit from the best service and support in the industry through locally authorized service centers.



DESIGN FEATURES

- Faster Cycle Times With Robot Loading/Unloading
- Siemens Sinumerik Control System
- SetupPRO© Machine Set-up Utility Software
- SpinCAD™ Programming Software
- ZonePRO © Teach In software
- Many options of accessories
- Quick Tooling Changeovers
- Trouble-free Operation
- Rugged Construction
- Simple Diagnostics
- Low Maintenance