



UNIVERSE

PIPE THREADING MACHINE AZA1199

The AZA LAB Pipe Threading Machines – Models AZA1199, AZA1199A, and AZA1199B are robust, industrial-grade systems designed for high-precision pipe and rod threading using chip-less cold forming (thread rolling) technology.

Unlike conventional cutting methods, this advanced process forms thread profiles through material displacement, resulting in zero material loss, enhanced thread strength, and superior surface finish.

Built with a rigid fabricated steel structure, integrated hydraulic systems, and efficient cooling mechanisms, the AZA1199 series ensures reliable, high-performance operation for continuous industrial applications.

Key Advantages

- Chip-less threading with zero material waste
- Stronger, more durable thread formation
- Excellent surface finish and dimensional accuracy
- Suitable for light, medium, and heavy-duty operations
- Low maintenance with extended service life
- Flexible operation: manual and automatic modes

Applications

- Pipe and rod threading
- Automotive and engineering components
- Construction and fabrication industries
- Heavy engineering and industrial production units





UNIVERSE

TECHNICAL SPECIFICATIONS

Specification	AZA1199	AZA1199A	AZA1199B
Workpiece (In Feed)	3 – 24 mm	3 – 50 mm	10 – 80 mm
Max. Thread Pitch (V Thread)	3 mm	5 mm	10 mm
Max. Serrations Pitch	1.0 mm	1.6 mm	3 mm
Max. Die Width	80 mm	150 mm	200 mm
Max. Through Feed Length	6 meters	6 meters	6 meters
Max. Rolling Force (Adjustable)	6 tons	16 / 20 tons	30 tons
Spindle Axis Swivel	50°	50°	120°
Roll Spindle Diameter	40 mm	40 mm	69.85 mm
Max. Die Diameter	120 mm	180 mm	220 mm
Roll Spindle Speed	60 / 90 RPM	20 / 40 / 60 RPM	16 / 22 / 34 / 73 / 110 / 150 RPM



UNIVERSE

TECHNICAL SPECIFICATIONS

Specification	AZA1199	AZA1199A	AZA1199B
Main Motor Power	3 HP	5 / 7.5 HP	15 HP
Hydraulic Power Pack	1 HP	2 / 3 HP	3 HP
Coolant Pump	1/8 HP	1/8 HP	1/2 HP
Electrical Supply	415 V, 50 Hz, 3 Phase	415 V, 50 Hz, 3 Phase	415 V, 50 Hz, 3 Phase
Approx. Weight	1000 kg	2200 kg	3500 kg

