



**EASIER**

**FASTER**

**CUTS THICKER**

The SHREYAS Pipe Profile Cutting is an economical pipe cutting machine that uses Oxy-Fuel / Plasma Process to cut the pipe held in chuck. We offer customized solution to suit your requirements.

#### MOTORIZED TORCH LIFTER FOR OXY-FUEL CUTTING

- Mechanism consists of motorized torch lifter & manual torch holder.
- Permanent Magnet DC Drive Motor for smooth & Precise Movement.
- End of travel UP/DOWN Limit Switches.
- Torch Lifter operates automatically through commands from the sensor or it can be operated manually.



#### TORCH HEIGHT CONTROL

- Maintains & optimum distance between torch TIP & steel plate through non-contact capacitive measurement.
- PWM Servo output model with accuracy up to 0.5mm with normal working distance 5-20mm regardless of plate irregularities.

#### AUTOMATIC TORCH HEIGHT CONTROL FOR PLASMA CUTTING



- The Plasma torch is equipped electronic smart height control to deliver best cut quality In the industry.
- Maintains & optimum distance between torch tip & steel plate through Ohmic contact sense which maintains arc voltage
- Cuts highly accurate parts & sharp corners & notches





### SPECIFICATIONS

MODEL	SHREYAS - 300		SHREYAS - 600	
PROCESS	OXY-FUEL	PLASMA	OXYFUEL	PLASMA
PIPE DIAMETER	50mm-300mm		100mm-600mm	
THICKNESS	2mm-75mm	2mm-50mm	5mm-75mm	2mm-50mm
WEIGHT OF PIPE	$\leq 5000\text{kg}$			
MACHINE AXIS	up to 7000mm			
POSITIONING ACCURACY	$\pm 0.5\text{mm}$			
REPITITION ACCURACY	$\pm 0.2\text{mm}$			
CUTTING SPEED	50-700mm/min	200-3000mm/min	50-700mm/min	200-3000mm/min
PLASMA CUTTING UNIT/SOURCE	45-400amps			
INPUT SUPPLY-MACHINE	230V SINGLE PHASE OR 3PHASE 415V, 50 Hz. DEPENDING UPON DRIVE SUPPLY.			
INPUT SUPPLY-PLASMA SOURCE	3PHASE, 415V, 50 Hz.			



### OPERATOR CONSOLE



Free standing operator console houses Servo drives, CNC Module with optional Air conditioner.

## SMART FEATURES



### PIPE SUPPORT

The machine is equipped with adjustable pipe support to accommodate various pipe diameter. Hardened rollers increases reliability.



### LINEAR GUIDEWAYS & CARRIAGE

Precision LM Guideways & Rack used in conjunction with servo planetary gear box to ensure precision cut quality



### PIPE CLAMPING

The machine is equipped with 3 Jaw self centering Chuck. This ensures accurate clamping during cutting



### CAD / CAM INTERFACE

We offer CAD/CAM & Nesting software products design to drive machine which improves productivity & profitability.

## WIDE RANGE OF PLASMA SOURCES & PLASMA TORCH CONSUMABLES



**LINCOLN® ELECTRIC**

**Cutting Solutions**

**Hypertherm®**  
*Cut with confidence®*

### Products

CNC Profile Gas & Plasma Cutting Machine  
CNC Retrofit & Automation  
Lincoln Electric - Plasma Source & Torches  
Hypertherm - Plasma Source & Torches  
Givi Misure DRO & Scales  
Special Purpose Machines

**HAVIS**

**TEJUS**

**SHREYAS**

## BALAJI AUTOTECH PVT. LTD.,

Plot no. 23, Road No. 5, 3rd Phase  
Koorgally Industrial Area, Mysuru - 570018, India  
Ph No : 0821-2403906, Fax : 0821-2403907  
E-mail : sales@balajiautotech.com  
www.balajiautotech.com

