

THERMAL SPRAY FACILITIES

AUTOMATIC SYSTEMS for HVOF, PLASMA, FLAME SPRAY, ARC SPRAY & ROD SPRAY

THERMAL SPRAY TURNTABLE

The **Model: 6136** is a versatile, economical turntable capable of holding parts of up to 500 lbs (227 Kg). Face plate rotation can be adjusted from 10 – 360 revolutions per minute. Dynamic braking locks the face plate in position in the event of loss of primary input power to the turntable.



The face plate, gear reduction unit and motor all swivel on a bearing mounted shaft which is manually adjustable from the vertical to horizontal positions by means of hand wheel and gearbox. The entire unit is mounted on a sturdy heavy duty frame equipped with casters.

The model 6136 is designed to operate

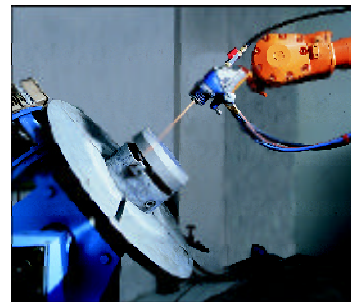
through its separate controller which has provision to be mounted either on wall or on the portable stand. The turntable can be operated in clockwise or counter clockwise direction by selector switch and speed can be controlled by speed controller. The rpm is displayed in digital speed indicator. The turntable interface allows the turntable to interface with other components such as Robot or Gun Traverse Manipulator or plasma control console. The remote controller regulates the direction, braking and speed of the face plate.

OPTIONS:

- a) Tilting can be motorized.
- b) Turntable can be indexable.
- c) Servo Controlled Indexing OR Rotation also available.

TECHNICAL SPECIFICATIONS

Speed Range	10-360 RPM	
Table Tilt	110 Deg. Total (10 Deg. beyond Horizontal & Vertical Positions)	
Face Plate	610mm (24") diameter X 25.4 mm (1") thick face plate is made of aluminium & has four tooling slots.	
Table Height	Horizontal	1016mm (40")
	Vertical	889mm (35")
Approx. Overall Dimensions		
	Height	1397mm (55")
	Width	660mm (26")
	Length	1067mm (42")
	Weight	260lbs (118Kg.)
Maximum Load Capacity		
	Horizontal	500lbs (227Kg)
	Vertical	500lbs (227Kg) (with 10°C.G.)
Input Power	230 Volts AC / 1 Phase / 50Hz / 1.1kW	
	110 Volts AC / 1 Phase / 60Hz / 1.1kW	
	OR 110 Volts AC / 3 Phase / 60Hz / 1.1kW	



**Robotic HVOF
Spraying on
Job mounted
on Tilting
Turntable**

GUN & JOB MANIPULATION SYSTEMS

X-Y MANIPULATOR

The **Model : 500E** is versatile, low cost, two axes Gun Manipulating system that controls gun movement during spray operation.

Horizontal sweep and vertical increment steps can be adjusted as per requirement. repeatable coating can be achieved by Auto Mode.

The system consists of a manipulator having X axis and Y axis movement by AC motors. The Z axis is manually set and can be locked to any desired work distance and gun angle. Four heavy duty jacks are used for levelling and locking manipulator in the required position. Mechanical and Electro - mechanical controls are provided for X and Y motion on separate control panel which is detachable from its stand for wall mounting, if desired.

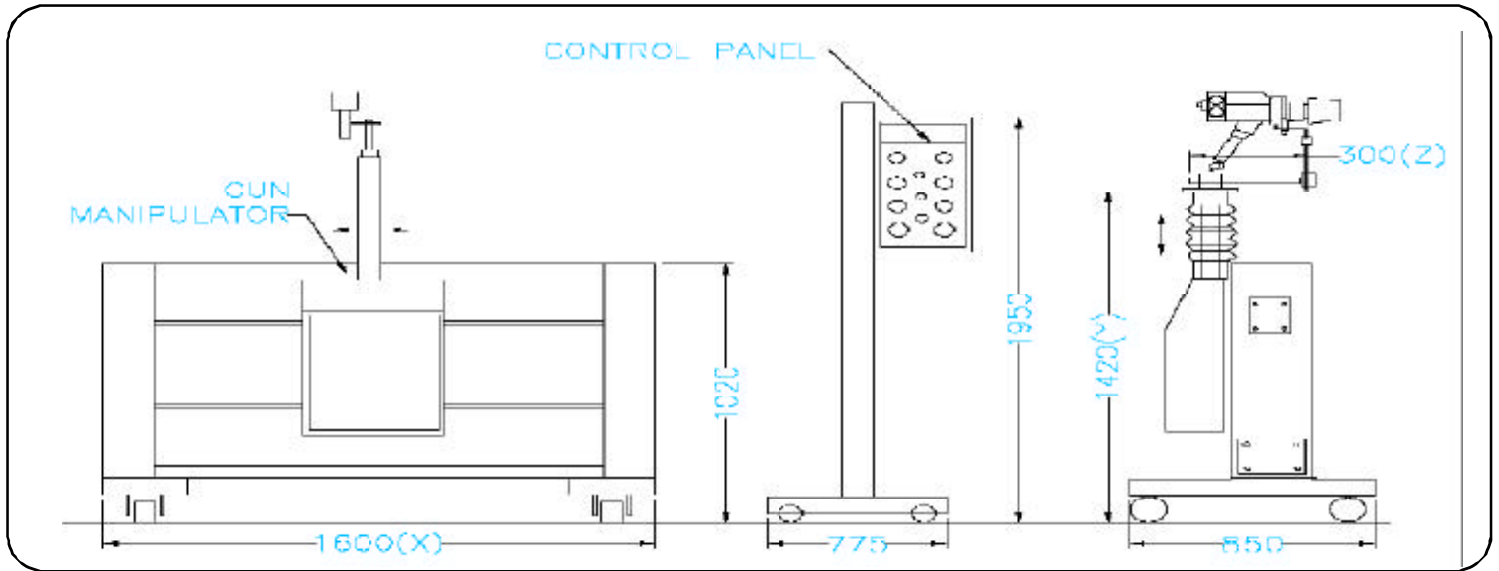
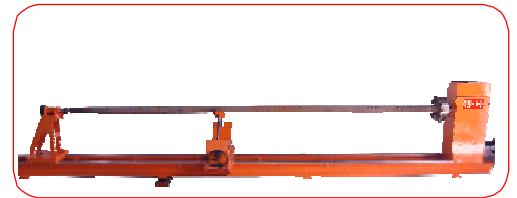


Horizontal (X) axis: Speed (Adjustable) : 3 Mtr / minute to 9 Mtr / minute
Stroke : Can be preset by limit switch max. upto 800mm

Vertical (Y) axis: Speed : 2.5 Mtr / minute (Fixed)
Stroke : Max. 400mm (adjustable through timer knob on console panel)

Positioning (Z) axis : Manual

- OPTIONS :**
- Special Manipulator to suit job of any size.
 - PLC based stroke & speed adjustment.
 - Servo controlled X, Y & Rotation as 3rd axis also available.



METALLIZING EQUIPMENT CO. PVT. LTD.

E-101, M.I.A., Phase-II, Basni, Jodhpur-342005 (India)

Ph. : +91 291 2747601 Fax : 2746359

E-Mail : mecpl@sancharnet.in / mecpl@vsnl.com / mecplts@gmail.com

Web : www.mecpl.com

Delhi
011-29248519
mecdly@ndf.vsnl.net.in

Mumbai
022-24934370
mecbby@bom5.vsnl.net.in

Bangalore
080-32405951
mecpl.bgl@gmail.com

Secunderabad
040-27813760
mecsec@satyam.net.in