



About Orbital Automation Ltd

Orbital Automation Ltd is an advanced precision engineering company at the forefront of CNC machining techniques and manufacturing technology. Orbital Automation Ltd has become synonymous with the production of high-value, quality critical, yet affordable CNC machineries. Our years of experience and passion to constantly strive to exceed the expectations of our clients have led us to become a key manufacturer and supplier within a diverse range of industrial sectors.

Our innovative cutting machines are developed and optimized for a varied range of diverse applications in numerous industries like automotive, aerospace, medical, agriculture, production, firearms, electronics, metal work, military, energy, manufacturing, hospitality, marine, oil and gas, high-quality components and many more.



Cutting Machines

World class suppliers of CNC Cutting Machines

Robust and Reliable Cutting Machines at Economical Prices. Orbital Automation Ltd is a world class supplier of premium CNC Machineries and our innovation places us at the forefront of CNC machine design.



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Plasma Cutting Machine (Thyristor based)

Specifications

Types	Models					
	OPCM-80	OPCM-100	OPCM-150	OPCM-200	OPCM-400	OPCM-500
Input	3PH,4 I5V±1 5% 50 Hz	3PH,41 5V: ±:15% 50 Hz	3PH,415V± 1 5% 50 Hz	3PH,4 15V± 1 5% 50 Hz	3PH,4 I5V±1 5% 50 Hz	3PH,4 I5V±1 5% 50 Hz
Open Circuit Voltage, Volts	330	330	330	330	330	330
Output Current range, A	30-90	30-120	30-200	30-300	60-400	60-500
Maximum Power output KW	12.6	16.8	30	48	64	85
Cutting range, MM (Fine/Coarse)	25/40	32/50	50/75	75/100	100/125	125/150
Insulation class	H	H	H	H	H	H
Power source cooltng	Forced air	Forced air	Forced air	Forced air	Forced air	Forced air
Reco torch	Air	Air/Water	Water	Water	Water	Water
Suitability with plasma gases	Air		Air,Nitrogen, Argon + H2			



Plasma Cutting Machine IGBT Invertor based

Specifications

Types	Models				
	OPCM 45i	OPCM 65i	OPCM 80i	OPCM 100i	OPCM 200i
Input Supply	3 phase, 400 - 10%, 50/60 Hz				
OCV, Volts	350		300		
Output Current Range (Amps)	10-45	10-65	30-90	30-120	30-200
Maximum Power Output, kW	5.4	8	9.9	13.2	22
Power Factor	0.9+				
Cutting Range (mm) (Fine)	12	20	25	32	40
Cutting Range (mm) (Coarse)	25	30	35	45	70
Insulation Class	"H/F"				
Power Source Cooling	Forced air				
Reco. Torch Cooling	Air		Air/Water		Water
Suitability with Plasma Gases	Air				



CNC Punch Press

Specifications

Machine customised as per client requirements.



CNC Laser Cutting Machine

Specifications

Machine customised as per client requirements.



Cnc Press Brake and Shearing Machine

Specifications

Machine customised as per client requirements.



CNC Notching Machine for motor lamination (Single Die/ Compound Die Notching Machine)



Specifications

Description\ Model No.	CNM08	CNM20	CNM25	CNM30	CNM35	CNM40
Die Type		Signal tool die			Compound tool die	
Locator Diameter (mm)	Upto 150	Upto 250	Upto 600	Upto 250	Upto 600	Upto 600
Rated Capacity (Ton)	6			06 / 10		
Fixed Stroke Length (mm)				25		
Slide Adjustment (mm)			20			25
Notching Speed (strokes/min)				100-600		
Distance between Bolster to Slider; Stroke Down, Adjustment Up (mm)	150	205		255		
Max. Blank Thickness (mm)				2		
Locator height adjustment w.r.t die height (mm)				10		
Dimensions of Bolster Area (f-b x 1-r) (mm x mm)	150 x 330			310 x 500		
Scrap Opening (f-b x 1-r) (mm x mm)	60 x 90		100 x 100			150 x 195
Throat Depth (mm)	200		325			350
Slide Area (f-b x 1-r) (mm)	70 x 145			140 x 300		
Locator Pin Diameter (mm)				32		
Min. - Max. distance between centre of indexing spindle and centre of slide (mm)	40 - 250		110 - 510			150 - 700
Min. - Max. Blank Diameter (mm)	80 - 550		220-1100			300 - 1500



Description\ Model No.	CNM08	CNM20	CNM25	CNM30	CNM35	CNM40
Number of Notches in 360 deg.				1 - 999		
T-Slot (mm)	14			18		
Total Power Connected (kw)	10			10/12		20
Total Weight of the Machine (kg)	2000			3500 / 4000		5000





CNC Notching Machine for motor lamination (Segmental Notching Machine)

Specifications

Description \ Model No.	CNM50
Die Type	Segmental
Locator Diameter (mm)	Up to 600
Rated Capacity (Ton)	16
Fixed Stroke Length (mm)	40
Slide Adjustment (mm)	40
Notching Speed (strokes/min)	100 -600
Distance between Bolster to Slider; Stroke Down, Adjustment Up (mm)	255
Max. Blank Thickness (mm)	2
Dimensions of Bolster Area (f-b x 1-r) (mm x mm)	310 x 500
Scrap Opening (f-b x 1-r) (mm x mm)	150 x 195
Throat Depth (mm)	500
Slide Area (f-b x 1-r) (mm)	140 x 300
Locator Pin Diameter (mm)	32
Min. - Max. distance between centre of indexing spindle and centre of slide (mm)	150 - 700
Min. - Max. Blank Diameter (mm)	300 - 1500
Max. Blank Diameter for Segmental Notching (mm)	No Limit
Number of Notches in 360 deg.	1-999
T-Slot (mm)	18
Total Power Connected (kw)	25
Total Weight of the Machine (kg)	7000



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