

CNC PLASMA / FLAME CUTTING MACHINE

MODEL :

RWCUT 4000



Machine Mechanical Description

- Heavy Duty Gantry Type Structure.
- High Tension high accuracy rail (24Kg/Meter) dual side driven rack and pinion drive for longitudinal direction.
- Dual shaft Linear Motion Guide with rack and pinion drive for transverse direction movement of torch station.
- Automatic wear compensation by high tension cup spring keeps the engagement of the pinion in the rack free of backlash.
- Anti-Collision System with Proximity Protection
- Electrical limit switch on both side of longitudinal track end with mechanical bumpers helps in emergency collision protection.
- Electrical limit switch installed on both end side of transverse track and torch suspension together with mechanical bumper helps in emergency collision protection.
- Track wiper Device.

MACHINE DESCRIPTION

Track Width	4000 mm
Effective Cutting Width	3200 mm
Track Length	8000 mm
Effective Track Length	6500 mm
Controller	FLSK 2300B
Plasma Torch Lifter Station	Yes
Plasma Torch Height Controller	1620E (Fangling)
Plasma Torch Anti-Collision Device	Yes
Flame Torch Lifter Station	Yes
Flame Torch Height Controller	CHC200F (HYD)
Flame Torch	up to 100mm cutting
Flame Torch Auto Ignition Device	Included
Solenoid Valve	Airtac
Gear Box	Planetary Type
X Axis Servo Motor 1 No	400W Panasonic
X Axis Servo Driver 1 No	400W Panasonic
Y Axis Servo Motor 2 No	750W Panasonic
Y Axis Servo Driver 2 No	750W Panasonic
Drag Chain	IGUS (Germany)
Nesting Software	Fastcam (Australia)
X Axis Linear Motion Guide	Dual Guide Ways
Y Axis Linear Motion	24 KG/ Meter Rail
Rack & Pinion	Helical 20x20 mm

TECHNICAL PARAMETER

Rapid Positioning Speed	0-9999 mm/Min
Longitudinal Guiding Accuracy	+/- 0.3mm / 3 Meter
Repeatability Accuracy	+/- 0.5 mm

CUTTING MATERIAL

Flame Cutting: Mild Steel
 Plasma Cutting: Mild Steel, Stainless steel, Aluminum

CUTTING THICKNESS

Flame Cutting	7mm -100mm or more
Plasma Cutting	Depends on Plasma Source

POWER REQUIREMENTS

Machine Power: AC 220 V (Single Phase) (+/-10%), 50 Hz, 2 KVA
 Plasma Cutting : AC 415 V (+/- 10%) 50 Hz

Ralli Wolf Industries Ltd.

(Formerly Ralli Engineering Ltd)

An ISO 9001 : 2015 certified Organisation

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