



**Durel International LLP**  
Technical Superiority Delivered

## **DRM4020**

### **MT-Manual Tool Changing CNC Router**



## Features

Travelling size: 4000mm\*2000mm\*200mm

Robust HQD 6 KW air cooling spindle

Robust servo motor

DSP operation system

Vacuum table & double pump

With compression roller

Taiwanese linear rail

Tool sensor

3PH 380V 50HZ

## Parameters

Item	DRM4020
Travelling Size	4000*2000*200 mm
Table Size	4000X2000 mm
Transmission	X/Y with Linear Guide, Z with Ball Screw
Table Structure	Vacuum & Double Pump
Spindle Power	HQD 6KW
Spindle Speed	0-18000 RPM
Speed	MAX Travelling Speed: 25000 mm/min
	MAX Working Speed: 15000 mm/min
Transmission	Servo Motor
Table Structure	AC380V/3PH/50Hz
Spindle Power	DSP
Spindle Speed	1850 KG
Speed	2050 KG

## Parts

### Machine Body, Gantry and Gantry Support:

Heat Treatment: Annealed & Stress-relieved to release the inner stress of the steel. Surface treatment: Pickling and phosphating



Milling and Drilling by CNC Machining center



## Operating System

High performance core processing CPU: The eight nuclear processing CPU, faster calculation, stronger processing ability

Simple handle structure with buttons controls: 16 buttons operation mode, comfortable hand-held end, easy to learn easy to use, simple and quick.

Multiple data transmission, large storage capacity support



## Spindle

### Robust HQD 6Kw air cooling spindle

Robust top-rank spindle  
Easy to maintenance  
Max Rpm 18.000  
Spindle Body Aluminium Alloy  
Cooling Electric fan.



## Inverter

### Taiwanese Delta Inverter

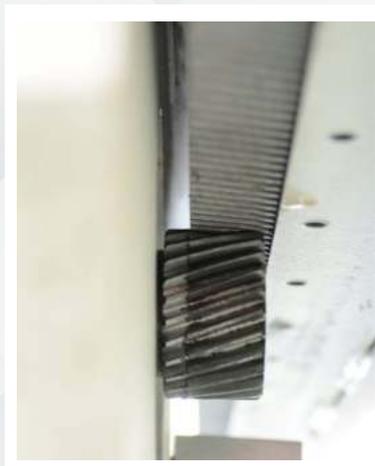
Modular & compact design  
Built-in PLC function  
Built-in EMI filter (230V 1 phase / 460V 3 phase)  
low horsepower, constant torque  
Complete Protection



## Linear rail, ball screw and gear rack

### Taiwanese Linear rail and screw, helical gear rack

The linear rail is heavy load linear guide way designed by circular-arc groove and structure optimization are higher over 30% load capacity and rigidity than other similar ball type linear guide way.  
It can achieve a long life with high speed, highly accurate and smooth linear motion.  
Precision Ground ball screws, high speed, Low noise, high-precision.  
Helical gear rack, optimal teeth engagement that ensures so month and quiet, yet climatic drive



## Motors & Drivers

Robust Leadshine servo motor & driver.



## Pump

Double air cooling vacuum pump  
Robust JQT 5.5Kw pump



## Table

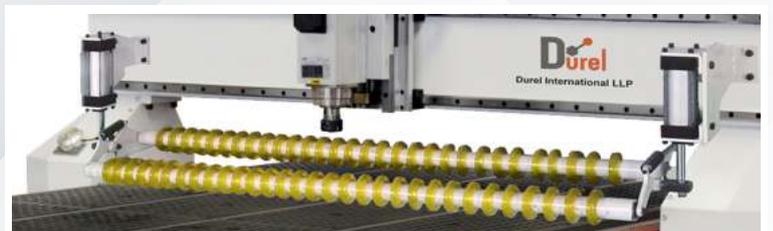
### Vacuum table

High hardness PVC Material



## Compression Roller

Double type rubber rollers



**We are expanding...**



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