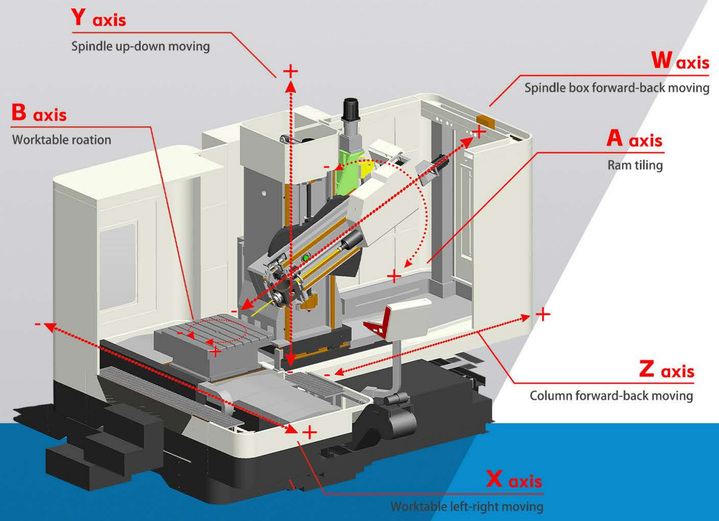
6 Axis

Gun drilling and milling machine



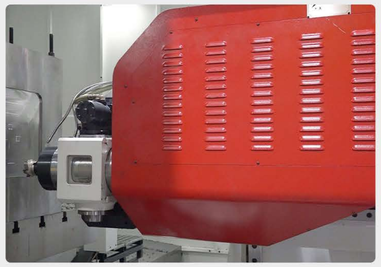
6AXIS
Machine tool Features:

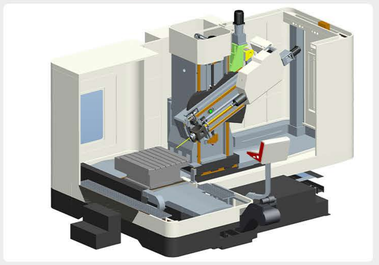
-Standard with Gundrilling, Milling, Tapping. Automatic Tool Changer optional.
-Hand scraping
-Fanuc 0i-MF Plus controller
-Fanuc corresponding servo motors, servo drives on all axis.
-Fast changeover for drilling and milling.
-0.001o indexing CNC worktable.Heidenhain rotary encoder for accuracy
-Maximum 50o tilting angular for wide range inclined holes, glass scale for accuracy
-High performance servo pumps for coolant and fine filtration system
-Oil chilling, Automatic Lubrication,Chips Conveyor
-Oil automatic separator
-Air conditional electrical cabinet

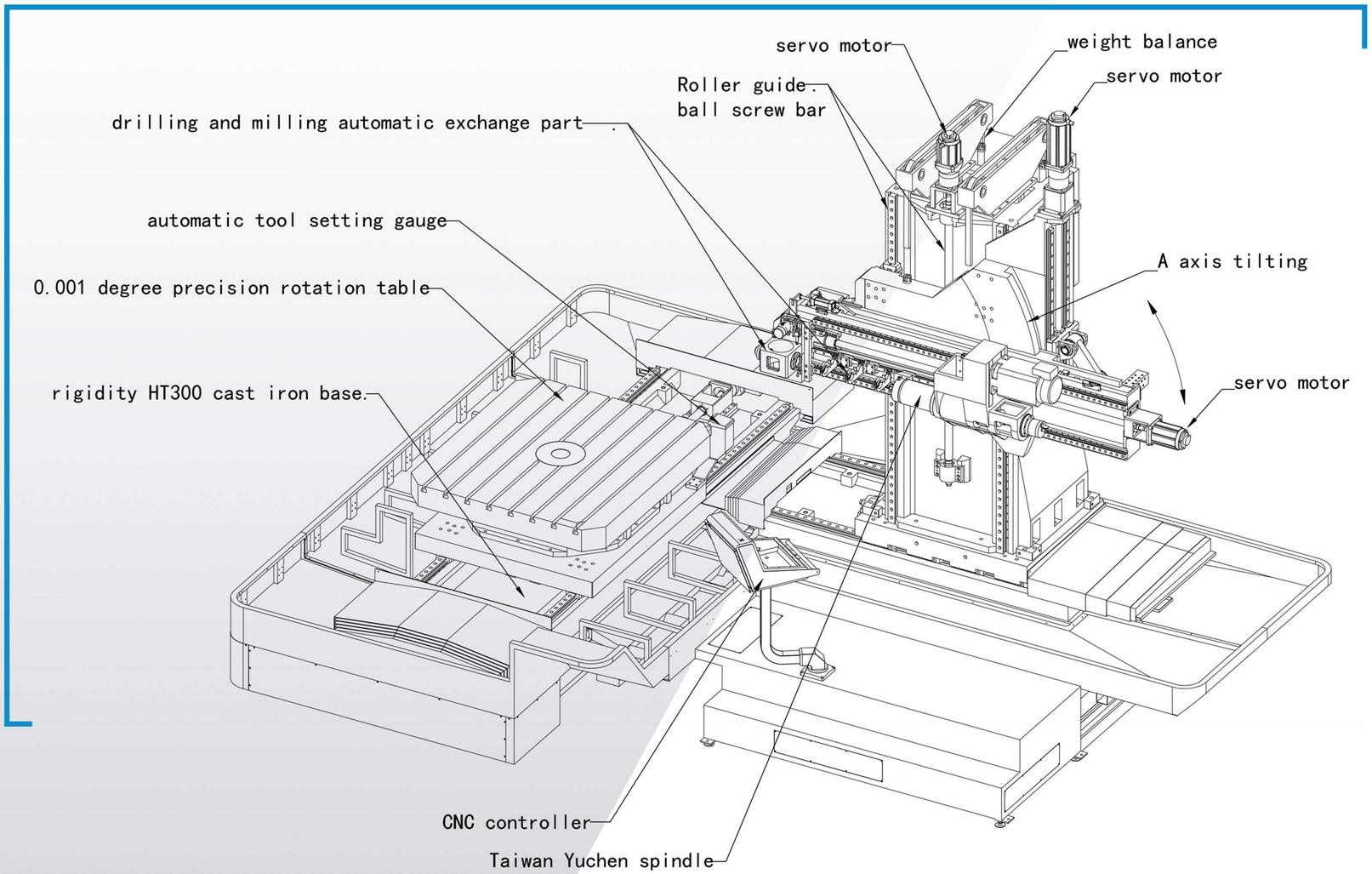
TECHNICAL DATA

	Items	ZJR10-1210	ZJR13-1613	ZJR15-2515	ZJR15-3017
processing capacity	drilling range	2.5-32mm	3-50mm	φ3~50mm	φ3~50mm
	max drilling length	1000mm	1300mm	1500mm	1500 mm
	milling capacity	120cm/min	120cm/min	120cm/min	120cm/min
	rigid tapping	M24	M24	M24	M24
processing range	X Travel (worktable)	1200mm	1600mm	2500 mm	3000 mm
	Y Travel (up/down)	1000mm	1300mm	1500mm	1700 mm
	Z Travel (column)	500mm	600mm	800 mm	800 mm
	A axis titlting	upper 15°, down 25°	upper 15°, down 25°	upper 15°, down 25°	upper 15°, down 25°
	B axis (rotation table)	360° , precision 0.001°	360° , precision 0.001°	360° , precision 0.001°	360° , precision 0.001°
worktable	size尺寸	1000x1000	1200x1200	1800x2000	2200x2400
	max loading	5ton	8ton	15 ton	20 ton
milling	max milling spindle	6000rpm	6000rpm	6000rpm	6000rpm
	feeding	1-3000mm/min	1-3000mm/min	1-3000mm/min	1-3000mm/min
	milling range	1400mm	1900mm	2500mm	2500mm
spindle motor power	Fanuc servo motor	11kw	15kw	15-18.5kw	15-18.5kw
Power	x axis Fanuc servo motor	27N.m	36N.m	36N.m	36N.m
	y axis Fanuc servo motor	27N.m	36N.m	36N.m	36N.m
	z axis Fanuc servo motor	27N.m	36N.m	36N.m	36N.m
	w axis Fanuc servo motor	11N.m	27N.m	27N.m	27N.m
	A axis Fanuc servo motor	20N.m	36N.m	36 N.m	36 N.m
	B axis Fanuc servo motor	20N.m	36N.m	36 N.m	36 N.m
	machine total power	52 kw	60 kw	55N.m	55N.m
colling system	max pump pressure	100 bar	100 bar	100 bar	100 bar
	max flux flow of coolant liquid	85L/min	85L/min	85L/min	85L/min
	cooling tank volum	600L	800L	800L	800L
spindle taper	drilling	OZ25	OZ25		
	milling	BT40	BT50	BT50	BT50
machine tools	machine weight	20 Ton	30 Ton	40Ton	50Ton
	machine dimension	7500x5500mm	8000x6200mm	9350x6500mm	10050x7200mm
	machine height	4200mm	5400mm	5600mm	5900mm

APPLICATIONS





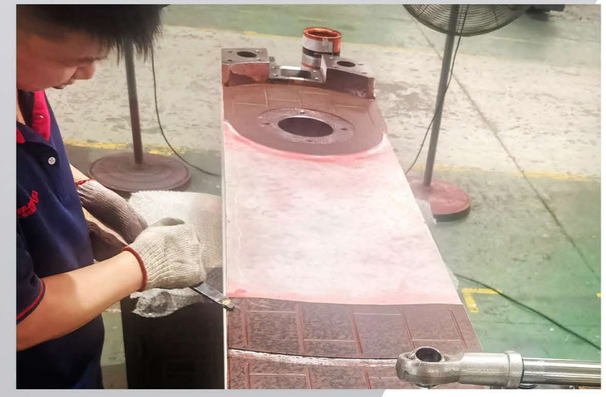


Full Range Solutions for Mold Making

Gundrilling and milling are combined in a universal spindle machine for complex mold manufacturing with quickly changeover between processes from small size components to large blocks, for complex machining and deep hole drilling at compound angles.

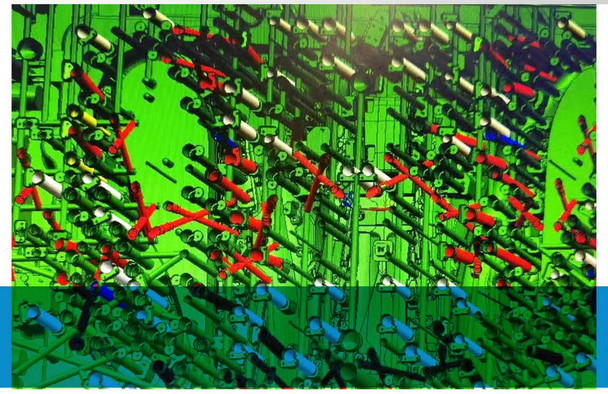
CNC worktable with heavy loading capacity, satisfy all jobs requirements

Eliminate unnecessary handling and setup while improving repeatability. reduce lead time and change what is possible in part design and process planning.



hand scraping

hand scraping



lifter holes

High efficient