

# RKS-T1800/V25

## Profile Machining Center Series



### MACHINE FEATURES

- ◆ Large stroke , suitable for processing large-sized, narrow and long parts;
- ◆ The X-axis feed system with gear and rack transmission, adaptive modular combination, more stable processing;
- ◆ The movable operating box, easy operation of the machine tool at any position.
- ◆ Using Mitsubishi M80 system, friendly human-machine interface, simple operation, significantly improving production efficiency.

### APPLICATION

It mainly processes internal profiles of rail transit locomotive, narrow and long automobile parts, TV frames, refrigerator frames, communication equipment casings, aluminum alloy profiles, aluminum-wood composite profiles, copper profiles, PVC profiles, etc. in the smart home appliance industry.

### STANDARD ACCESSORIES

1 set vise and horse iron, 4 sets tool handle and rivets, 1 pc knife lock holder, 1 set mouth&airsoft&water gun, 1 set hexagon socket

### MACHINE PARAMETERS

Item	Unit	RKS-T1800	RKS-V25	
Travel	X axis travel	mm	1850	2500
	Y axis travel	mm	520	600
	Z axis travel	mm	450	700
	Distance from spindle end face to milling table	mm	130-450	110-810
	Distance from spindle center to column	mm	550	634
Milling Table	Table size	mm	1900×500	3100×500
	T-slot size/amount /distance	mm/pcs/mm	14×5×100	18×5×106
	Max load on table	kg	500	1000
Spindle	Spindle taper		BT30	BT40
	Max spindle rotation speed	rpm	20000	1200
	Tool type	Type	Clamp type	Clamp type
Tool Changer	Tool quantity	pcs	21	24
	Max. tool diameter	mm	16/21	78
	Max. tool diameter (tools slots beside not occupied)	mm	60-100	120
	Max. tool length	mm	80-140	300
	Max. tool weight	kg	200-250	8
	Tool changing time	s	1.2	1.7
Speed	Fast moving speed (X/Y/Z)	m/min	48/48/48	36/36/36
	Cutting speed (X/Y/Z)	m/min	10/10/10	10/10/10
	Positioning accuracy (X/Y/Z)	mm	0.008	0.008
Accuracy	Repeat position accuracy (X/Y/Z)	mm	0.005	0.005
	Air source	L/min	280L/min	280L/min
Others	Air pressure	bar	6-8bar	6-8bar
	Dimension (L*W*H)	mm	4200×2200×2500	5500×3000×2500
	Weight	kg	6300	9600