

安全第一 预防为主

A wide-angle, high-angle photograph of a large industrial manufacturing facility. The floor is a mix of grey concrete and red-painted sections. Numerous large, complex machines are arranged in long rows, with yellow safety railings. A prominent red overhead crane spans the width of the hall. The ceiling is high with visible structural beams and lighting fixtures. The overall scene depicts a busy, modern industrial environment.

GRU II series Fixed crossrail Double Machining Center

- Introduction

Description of machine characteristics

Main parameters :



Mode	GRU28II	GRU32II	GRU36II	GRU42II
X travel	3200mm、 4200mm、 5500mm、 6500mm	4200mm、 5500mm、 6500mm、 8500mm、 10500mm、 12500mm	5500mm、 6500mm、 8500mm、 10500mm、 12500mm	5500mm、 6500mm、 8500mm、 10500mm、 12500mm
Y travel	2700mm 3200mm (OP)	3200mm 3600mm (OP)	3600mm 4200mm (OP) 4600mm (OP)	4200mm 4600mm (OP) 5200mm (OP)
Z travel	1000m 1250mm (OP)	1000m 1250mm (OP)	1250mm	1250mm
Table width	2m、 2.5m(Two or three linear guideway are available)	2.5m	3m	3.5m
Table length	3m、 4m、 5m、 6m	4m、 5m、 6m、 8m	5m、 6m、 8m	5m、 6m、 8m、 10m、 12m
Gantry width	2800mm	3200mm	3600mm、 4200mm(OP)	4200mm、 4600mm(OP)
Ram	400×400 Square ram	400×400 Square ram	420×430 Square ram	420×430 Square ram
Spindle speed	4000rpm			
Spindle power	22/26kW			
Spindle torque	866/1023N.m			

Item			Parameter	Item			Parameter
Processing	X travel	mm	3200	Tool magazine (OP)	Capacity	T	24/40
	Y travel	mm	2700		Driven system	-	BT50
	Z travel	mm	1000		Max. tool dia. (full/empty adj. position)	mm	Φ110/Φ220
	Gantry width	mm	2800		Max. tool length	mm	300
	Distance between spindle center and table surface	mm	150-1150		Max. tool weight	kg	20
Table	Table (A×B)	mm	2000×3000		Tool change time (T-T)	s	2.9/4
	Max. load	t	15		Position accuracy	X axis	mm
	T slot	mm	22×200×9	Y axis		mm	0.018
Spindle	Driven system	-	Gear box	Z axis		mm	0.015
	Spindle speed	rpm	4000	Repeatability position accuracy	X axis	mm	0.012
	Spindle power	kW	22/26		Y axis	mm	0.015
	Spindle torque	Nm	866/1023		Z axis	mm	0.010
	Taper hole	-	BT50	Machine voltage		kVA	55
	Ram section	mm	400×400	Machine weight		t	42
Feed	X/Y/Z feed	m/min	6/6/6	Machine size		cm	1050×530×550
	X/Y/Z rapid feed	m/min	15/15/10	Controller		-	FANUC 0i

Machine parameter-GRU28II×40



Item			Parameter	Item			Parameter
Processing	X travel	mm	4200	Tool magazine (OP)	Capacity	T	24/40
	Y travel	mm	2700		Driven system	-	BT50
	Z travel	mm	1000		Max. tool dia. (full/empty adj. position)	mm	Φ110/Φ220
	Gantry width	mm	2800		Max. tool length	mm	300
	Distance between spindle center and table surface	mm	150-1150		Max. tool weight	kg	20
Table	Table (A×B)	mm	2000×4000		Position accuracy	Tool change time (T-T)	s
	Max. load	t	18	X axis		mm	0.020
	T slot	mm	22×200×9	Y axis		mm	0.018
Spindle	Driven system	-	Gear box	Repeatability position accuracy	Z axis	mm	0.015
	Spindle speed	rpm	4000		X axis	mm	0.015
	Spindle power	kW	22/26		Y axis	mm	0.015
	Spindle torque	Nm	866/1023		Z axis	mm	0.010
	Taper hole	-	BT50	Machine voltage		kVA	55
	Ram section	mm	400×400	Machine weight		t	48
Feed	X/Y/Z feed	m/min	6/6/6	Machine size		cm	1250×530×550
	X/Y/Z rapid feed	m/min	12/15/10	Controller		-	FANUC 0i

Item			Parameter	Item			Parameter
Processing	X travel	mm	5500	Tool magazine (OP)	Capacity	T	24/40
	Y travel	mm	2700		Driven system	-	BT50
	Z travel	mm	1000		Max. tool dia. (full/empty adj. position)	mm	Φ110/Φ220
	Gantry width	mm	2800		Max. tool length	mm	300
	Distance between spindle center and table surface	mm	150-1150		Max. tool weight	kg	20
Table	Table (A×B)	mm	2000×5000		Tool change time (T-T)	s	2.9/4
	Max. load	t	22		Position accuracy	X axis	mm
	T slot	mm	22×200×9	Y axis		mm	0.018
Spindle	Driven system	-	齿轮传动	Z axis		mm	0.015
	Spindle speed	rpm	4000	Repeatability position accuracy	X axis	mm	0.018
	Spindle power	kW	22/26		Y axis	mm	0.015
	Spindle torque	Nm	866/1023		Z axis	mm	0.010
	Taper hole	-	BT50	Machine voltage		kVA	55
	Ram section	mm	400×400	Machine weight		t	53
Feed	X/Y/Z feed	m/min	6/6/6	Machine size		cm	1500×530×550
	X/Y/Z rapid feed	m/min	10/15/10	Controller		-	FANUC 0i

Machine parameter-GRU28II×60



Item			Parameter	Item			Parameter
Processing	X travel	mm	6500	Tool magazine (OP)	Capacity	T	24/40
	Y travel	mm	2700		Driven system	-	BT50
	Z travel	mm	1000		Max. tool dia. (full/empty adj. position)	mm	Φ110/Φ220
	Gantry width	mm	2800		Max. tool length	mm	300
	Distance between spindle center and table surface	mm	150-1150		Max. tool weight	kg	20
Table	Table (A×B)	mm	2000×6000		Tool change time (T-T)	s	2.9/4
	Max. load	t	25		Position accuracy	X axis	mm
	T slot	mm	22×200×9	Y axis		mm	0.018
Spindle	Driven system	-	齿轮传动	Z axis		mm	0.015
	Spindle speed	rpm	4000	Repeatability position accuracy	X axis	mm	0.020
	Spindle power	kW	22/26		Y axis	mm	0.015
	Spindle torque	Nm	866/1023		Z axis	mm	0.010
	Taper hole	-	BT50	Machine voltage		kVA	55
	Ram section	mm	400×400	Machine weight		t	59
Feed	X/Y/Z feed	m/min	6/6/6	Machine size		cm	1700×530×550
	X/Y/Z rapid feed	m/min	10/15/10	Controller		-	FANUC 0i

Item			Parameter	Item			Parameter	
Processing	X travel	mm	4200	Tool magazine (OP)	Capacity	T	24/40	
	Y travel	mm	3200		Driven system	-	BT50	
	Z travel	mm	1000		Max. tool dia. (full/empty adj. position)	mm	Φ110/Φ220	
	Gantry width	mm	3200		Max. tool length	mm	300	
	Distance between spindle center and table surface	mm	250-1250		Max. tool weight	kg	20	
Table	Table (A×B)	mm	2500×4000		Position accuracy	Tool change time (T-T)	s	2.9/4
	Max. load	t	20			X axis	mm	0.020
	T slot	mm	28×200×12	Y axis		mm	0.020	
Spindle	Driven system	-	齿轮传动	Repeatability position accuracy	Z axis	mm	0.015	
	Spindle speed	rpm	4000		X axis	mm	0.015	
	Spindle power	kW	22/26		Y axis	mm	0.018	
	Spindle torque	Nm	866/1023	Z axis	mm	0.010		
	Taper hole	-	BT50	Machine voltage		kVA	55	
	Ram section	mm	400×400	Machine weight		t	57	
Feed	X/Y/Z feed	m/min	6/6/6	Machine size		cm	1250×580×570	
	X/Y/Z rapid feed	m/min	12/15/10	Controller		-	FANUC 0i	

Item			Parameter	Item			Parameter
Processing	X travel	mm	5500	Tool magazine (OP)	Capacity	T	24/40
	Y travel	mm	3200		Driven system	-	BT50
	Z travel	mm	1000		Max. tool dia. (full/empty adj. position)	mm	Φ110/Φ220
	Gantry width	mm	3200		Max. tool length	mm	300
	Distance between spindle center and table surface	mm	250-1250		Max. tool weight	kg	20
Table	Table (A×B)	mm	2500×5000		Tool change time (T-T)	s	2.9/4
	Max. load	t	25		Position accuracy	X axis	mm
	T slot	mm	28×200×12	Y axis		mm	0.020
Spindle	Driven system	-	齿轮传动	Z axis		mm	0.015
	Spindle speed	rpm	4000	Repeatability position accuracy	X axis	mm	0.018
	Spindle power	kW	22/26		Y axis	mm	0.018
	Spindle torque	Nm	866/1023		Z axis	mm	0.010
	Taper hole	-	BT50	Machine voltage		kVA	55
	Ram section	mm	400×400	Machine weight		t	64
Feed	X/Y/Z feed	m/min	6/6/6	Machine size		cm	1500×580×570
	X/Y/Z rapid feed	m/min	12/15/10	Controller		-	FANUC 0i

Machine parameter-GRU32II×60



Item			Parameter	Item			Parameter
Processing	X travel	mm	6500	Tool magazine (OP)	Capacity	T	24/40
	Y travel	mm	3200		Driven system	-	BT50
	Z travel	mm	1000		Max. tool dia. (full/empty adj. position)	mm	Φ110/Φ220
	Gantry width	mm	3200		Max. tool length	mm	300
	Distance between spindle center and table surface	mm	250-1250		Max. tool weight	kg	20
Table	Table (A×B)	mm	2500×6000		Tool change time (T-T)	s	2.9/4
	Max. load	t	28		Position accuracy	X axis	mm
	T slot	mm	28×200×12	Y axis		mm	0.020
Spindle	Driven system	-	齿轮传动	Z axis		mm	0.015
	Spindle speed	rpm	4000	Repeatability position accuracy	X axis	mm	0.020
	Spindle power	kW	22/26		Y axis	mm	0.018
	Spindle torque	Nm	866/1023		Z axis	mm	0.010
	Taper hole	-	BT50	Machine voltage		kVA	55
	Ram section	mm	400×400	Machine weight		t	71
Feed	X/Y/Z feed	m/min	6/6/6	Machine size		cm	1700×580×570
	X/Y/Z rapid feed	m/min	10/15/10	Controller		-	FANUC 0i

Item			Parameter	Item			Parameter
Processing	X travel	mm	8500	Tool magazine (OP)	Capacity	T	24/40
	Y travel	mm	3200		Driven system	-	BT50
	Z travel	mm	1250		Max. tool dia. (full/empty adj. position)	mm	Φ110/Φ220
	Gantry width	mm	3200		Max. tool length	mm	300
	Distance between spindle center and table surface	mm	250-1250		Max. tool weight	kg	20
Table	Table (A×B)	mm	2500×8000		Tool change time (T-T)	s	2.9/4
	Max. load	t	35		Position accuracy	X axis	mm
	T slot	mm	28×200×12	Y axis		mm	0.020
Spindle	Driven system	-	齿轮传动	Z axis		mm	0.015
	Spindle speed	rpm	4000	Repeatability position accuracy	X axis	mm	0.022
	Spindle power	kW	22/26		Y axis	mm	0.018
	Spindle torque	Nm	866/1023		Z axis	mm	0.010
	Taper hole	-	BT50	Machine voltage		kVA	55
	Ram section	mm	400×400	Machine weight		t	85
Feed	X/Y/Z feed	m/min	6/6/6	Machine size		cm	2300×580×570
	X/Y/Z rapid feed	m/min	10/15/10	Controller		-	FANUC 0i

Machine parameter-GRU32II×100



Item			Parameter	Item			Parameter	
Processing	X travel	mm	10500	Tool magazine (OP)	Capacity	T	24/40	
	Y travel	mm	3200		Driven system	-	BT50	
	Z travel	mm	1250		Max. tool dia. (full/empty adj. position)	mm	Φ110/Φ220	
	Gantry width	mm	3200		Max. tool length	mm	400	
	Distance between spindle center and table surface	mm	250-1250		Max. tool weight	kg	20	
Table	Table (A×B)	mm	2500×10000		Position accuracy	Tool change time (T-T)	s	2.9/4
	Max. load	t	45			X axis	mm	0.038
	T slot	mm	28×200×12	Y axis		mm	0.020	
Spindle	Driven system	-	齿轮传动	Repeatability position accuracy	Z axis	mm	0.015	
	Spindle speed	rpm	4000		X axis	mm	0.030	
	Spindle power	kW	22/26		Y axis	mm	0.018	
	Spindle torque	Nm	866/1023	Z axis	mm	0.010		
	Taper hole	-	BT50	Machine voltage		kVA	80	
	Ram section	mm	400×400	Machine weight		t	135	
Feed	X/Y/Z feed	m/min	6/6/6	Machine size		cm	2900×580×695	
	X/Y/Z rapid feed	m/min	10/15/10	Controller		-	FANUC 0i	

Machine parameter-GRU32II×120



Item			Parameter	Item			Parameter
Processing	X travel	mm	12500	Tool magazine (OP)	Capacity	T	24/40
	Y travel	mm	3200		Driven system	-	BT50
	Z travel	mm	1250		Max. tool dia. (full/empty adj. position)	mm	Φ110/Φ220
	Gantry width	mm	3200		Max. tool length	mm	400
	Distance between spindle center and table surface	mm	250-1500		Max. tool weight	kg	20
Table	Table (A×B)	mm	2500×12000		Tool change time (T-T)	s	2.9/4
	Max. load	t	55		Position accuracy	X axis	mm
	T slot	mm	28×200×12	Y axis		mm	0.028
Spindle	Driven system	-	齿轮传动	Z axis		mm	0.018
	Spindle speed	rpm	3500	Repeatability position accuracy	X axis	mm	0.030
	Spindle power	kW	30/37		Y axis	mm	0.022
	Spindle torque	Nm	1860/2300		Z axis	mm	0.012
	Taper hole	-	BT50	Machine voltage		kVA	80
	Ram section	mm	450×450	Machine weight		t	150
Feed	X/Y/Z feed	m/min	6/6/6	Machine size		cm	3200×580×695
	X/Y/Z rapid feed	m/min	10/15/10	Controller		-	FANUC 0i

Item			Parameter	Item			Parameter
Processing	X travel	mm	5500	Tool magazine (OP)	Capacity	T	24/40
	Y travel	mm	3600		Driven system	-	BT50
	Z travel	mm	1250		Max. tool dia. (full/empty adj. position)	mm	Φ110/Φ220
	Gantry width	mm	3600		Max. tool length	mm	400
	Distance between spindle center and table surface	mm	200-1450		Max. tool weight	kg	25
Table	Table (A×B)	mm	3000×5000		Tool change time (T-T)	s	2.9/4
	Max. load	t	28		Position accuracy	X axis	mm
	T slot	mm	36×200×14	Y axis		mm	0.018
Spindle	Driven system	-	齿轮传动	Z axis		mm	0.015
	Spindle speed	rpm	4000	Repeatability position accuracy	X axis	mm	0.020
	Spindle power	kW	22/26		Y axis	mm	0.015
	Spindle torque	Nm	866/1023		Z axis	mm	0.010
	Taper hole	-	BT50	Machine voltage		kVA	65
	Ram section	mm	420×430	Machine weight		t	78
Feed	X/Y/Z feed	m/min	6/6/6	Machine size		cm	1500×620×695
	X/Y/Z rapid feed	m/min	10/15/10	Controller		-	FANUC 0i

Machine parameter-GRU36II×60



Item			Parameter	Item			Parameter
Processing	X travel	mm	6500	Tool magazine (OP)	Capacity	T	24/40
	Y travel	mm	3600		Driven system	-	BT50
	Z travel	mm	1250		Max. tool dia. (full/empty adj. position)	mm	Φ110/Φ220
	Gantry width	mm	3600		Max. tool length	mm	400
	Distance between spindle center and table surface	mm	200-1450		Max. tool weight	kg	25
Table	Table (A×B)	mm	3000×6000		Tool change time (T-T)	s	2.9/4
	Max. load	t	35		Position accuracy	X axis	mm
	T slot	mm	36×200×14	Y axis		mm	0.018
Spindle	Driven system	-	齿轮传动	Z axis		mm	0.015
	Spindle speed	rpm	4000	Repeatability position accuracy	X axis	mm	0.020
	Spindle power	kW	22/26		Y axis	mm	0.015
	Spindle torque	Nm	866/1023		Z axis	mm	0.010
	Taper hole	-	BT50	Machine voltage		kVA	65
	Ram section	mm	420×430	Machine weight		t	86
Feed	X/Y/Z feed	m/min	6/6/6	Machine size		cm	1700×620×695
	X/Y/Z rapid feed	m/min	10/15/10	Controller		-	FANUC 0i

Machine parameter-GRU36II×80



Item			Parameter	Item			Parameter
Processing	X travel	mm	8500	Tool magazine (OP)	Capacity	T	24/40
	Y travel	mm	3600		Driven system	-	BT50
	Z travel	mm	1250		Max. tool dia. (full/empty adj. position)	mm	Φ110/Φ220
	Gantry width	mm	3600		Max. tool length	mm	400
	Distance between spindle center and table surface	mm	200-1450		Max. tool weight	kg	25
Table	Table (A×B)	mm	3000×8000		Tool change time (T-T)	s	2.9/4
	Max. load	t	40		Position accuracy	X axis	mm
	T slot	mm	36×200×14	Y axis		mm	0.018
Spindle	Driven system	-	齿轮传动	Z axis		mm	0.015
	Spindle speed	rpm	4000	Repeatability position accuracy	X axis	mm	0.020
	Spindle power	kW	22/26		Y axis	mm	0.015
	Spindle torque	Nm	866/1023		Z axis	mm	0.010
	Taper hole	-	BT50	Machine voltage		kVA	65
	Ram section	mm	420×430	Machine weight		t	105
Feed	X/Y/Z feed	m/min	6/6/6	Machine size		cm	2300×620×695
	X/Y/Z rapid feed	m/min	10/15/10	Controller		-	FANUC 0i

Machine parameter-GRU42II×50



Item			Parameter	Item			Parameter
Processing	X travel	mm	5500	Tool magazine (OP)	Capacity	T	24/40
	Y travel	mm	4200		Driven system	-	BT50
	Z travel	mm	1250		Max. tool dia. (full/empty adj. position)	mm	Φ110/Φ220
	Gantry width	mm	4200		Max. tool length	mm	400
	Distance between spindle center and table surface	mm	200-1450		Max. tool weight	kg	20
Table	Table (A×B)	mm	3500×5000		Tool change time (T-T)	s	2.9/4
	Max. load	t	22		Position accuracy	X axis	mm
	T slot	mm	36×250×20	Y axis		mm	0.018
Spindle	Driven system	-	齿轮传动	Z axis		mm	0.015
	Spindle speed	rpm	4000	Repeatability position accuracy	X axis	mm	0.020
	Spindle power	kW	22/26		Y axis	mm	0.015
	Spindle torque	Nm	866/1023		Z axis	mm	0.010
	Taper hole	-	BT50	Machine voltage		kVA	80
	Ram section	mm	420×430	Machine weight		t	91
Feed	X/Y/Z feed	m/min	6/6/6	Machine size		cm	1500×710×695
	X/Y/Z rapid feed	m/min	10/15/10	Controller		-	FANUC 0i

Machine parameter-GRU42II×60



Item			Parameter	Item			Parameter
Processing	X travel	mm	6500	Tool magazine (OP)	Capacity	T	24/40
	Y travel	mm	4200		Driven system	-	BT50
	Z travel	mm	1250		Max. tool dia. (full/empty adj. position)	mm	Φ110/Φ220
	Gantry width	mm	4200		Max. tool length	mm	400
	Distance between spindle center and table surface	mm	200-1450		Max. tool weight	kg	20
Table	Table (A×B)	mm	3500×6000		Tool change time (T-T)	s	2.9/4
	Max. load	t	22		Position accuracy	X axis	mm
	T slot	mm	36×250×20	Y axis		mm	0.018
Spindle	Driven system	-	齿轮传动	Z axis		mm	0.015
	Spindle speed	rpm	4000	Repeatability position accuracy	X axis	mm	0.020
	Spindle power	kW	22/26		Y axis	mm	0.015
	Spindle torque	Nm	866/1023		Z axis	mm	0.010
	Taper hole	-	BT50	Machine voltage		kVA	80
	Ram section	mm	420×430	Machine weight		t	101
Feed	X/Y/Z feed	m/min	6/6/6	Machine size		cm	1500×710×695
	X/Y/Z rapid feed	m/min	10/15/10	Controller		-	FANUC 0i

Machine parameter-GRU42II×80



Item			Parameter	Item			Parameter
Processing	X travel	mm	8500	Tool magazine (OP)	Capacity	T	24/40
	Y travel	mm	4200		Driven system	-	BT50
	Z travel	mm	1250		Max. tool dia. (full/empty adj. position)	mm	Φ110/Φ220
	Gantry width	mm	4200		Max. tool length	mm	400
	Distance between spindle center and table surface	mm	200-1450		Max. tool weight	kg	20
Table	Table (A×B)	mm	3500×8000		Tool change time (T-T)	s	2.9/4
	Max. load	t	35		Position accuracy	X axis	mm
	T slot	mm	36×250×20	Y axis		mm	0.018
Spindle	Driven system	-	齿轮传动	Z axis		mm	0.015
	Spindle speed	rpm	4000	Repeatability position accuracy	X axis	mm	0.020
	Spindle power	kW	22/26		Y axis	mm	0.015
	Spindle torque	Nm	866/1023		Z axis	mm	0.010
	Taper hole	-	BT50	Machine voltage		kVA	80
	Ram section	mm	420×430	Machine weight		t	116
Feed	X/Y/Z feed	m/min	6/6/6	Machine size		cm	2300×710×695
	X/Y/Z rapid feed	m/min	10/15/10	Controller		-	FANUC 0i

Machine parameter-GRU42II×100



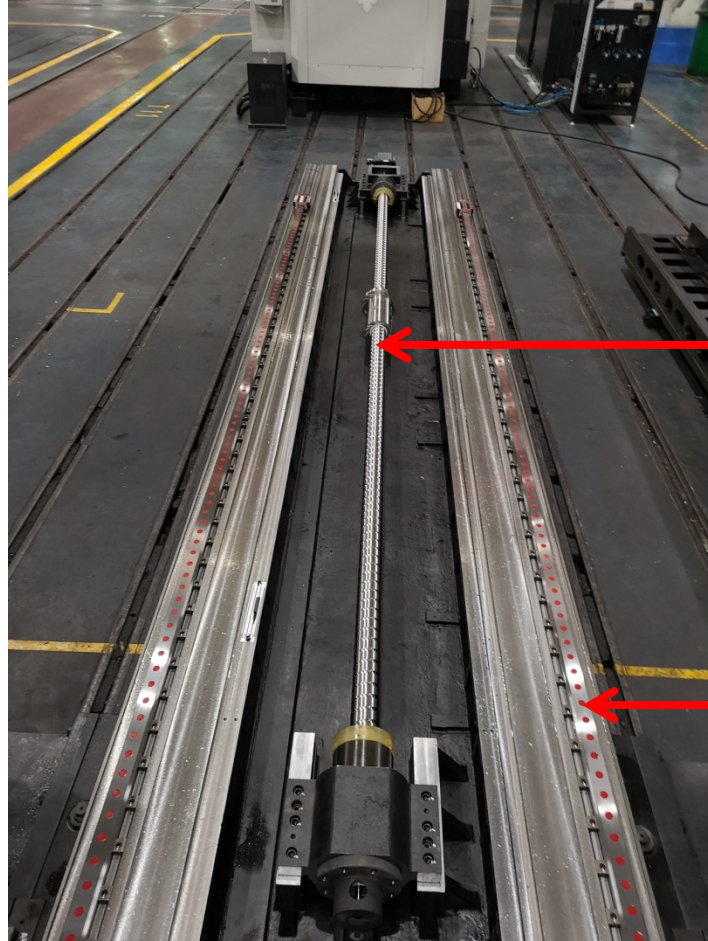
Item			Parameter	Item			Parameter
Processing	X travel	mm	10500	Tool magazine (OP)	Capacity	T	24/40
	Y travel	mm	4200		Driven system	-	BT50
	Z travel	mm	1250		Max. tool dia. (full/empty adj. position)	mm	Φ110/Φ220
	Gantry width	mm	4200		Max. tool length	mm	400
	Distance between spindle center and table surface	mm	200-1450		Max. tool weight	kg	20
Table	Table (A×B)	mm	3500×10000		Tool change time (T-T)	s	2.9/4
	Max. load	t	45		Position accuracy	X axis	mm
	T slot	mm	36×250×20	Y axis		mm	0.018
Spindle	Driven system	-	齿轮传动	Z axis		mm	0.015
	Spindle speed	rpm	4000	Repeatability position accuracy	X axis	mm	0.020
	Spindle power	kW	22/26		Y axis	mm	0.015
	Spindle torque	Nm	866/1023		Z axis	mm	0.010
	Taper hole	-	BT50	Machine voltage		kVA	80
	Ram section	mm	420×430	Machine weight		t	134
Feed	X/Y/Z feed	m/min	6/6/6	Machine size		cm	2900×710×695
	X/Y/Z rapid feed	m/min	10/15/10	Controller		-	FANUC 0i

Machine parameter-GRU42II×120



Item			Parameter	Item			Parameter
Processing	X travel	mm	12500	Tool magazine (OP)	Capacity	T	24/40
	Y travel	mm	4200		Driven system	-	BT50
	Z travel	mm	1250		Max. tool dia. (full/empty adj. position)	mm	Φ110/Φ220
	Gantry width	mm	4200		Max. tool length	mm	400
	Distance between spindle center and table surface	mm	200-1450		Max. tool weight	kg	20
Table	Table (A×B)	mm	3500×12000		Tool change time (T-T)	s	2.9/4
	Max. load	t	55		Position accuracy	X axis	mm
	T slot	mm	36×250×20	Y axis		mm	0.018
Spindle	Driven system	-	齿轮传动	Z axis		mm	0.015
	Spindle speed	rpm	4000	Repeatability position accuracy	X axis	mm	0.020
	Spindle power	kW	22/26		Y axis	mm	0.015
	Spindle torque	Nm	866/1023		Z axis	mm	0.010
	Taper hole	-	BT50	Machine voltage		kVA	80
	Ram section	mm	420×430	Machine weight		t	149
Feed	X/Y/Z feed	m/min	6/6/6	Machine size		cm	3200×710×695
	X/Y/Z rapid feed	m/min	10/15/10	Controller		-	FANUC 0i

Structural features - ball screw and linear guideway -X axis

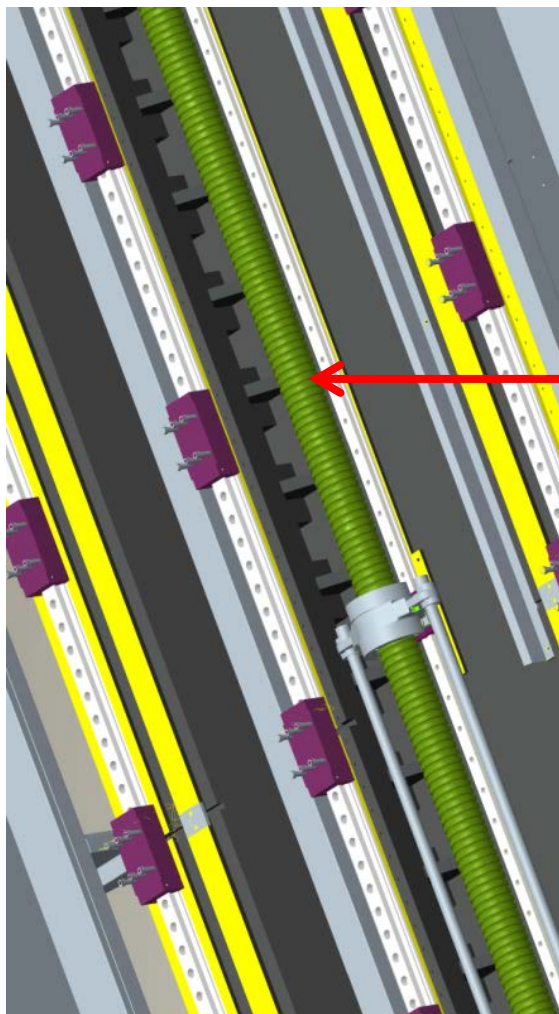


Span of linear guideway A

Model	Ball screw (mm)		Ball screw precision level	Brand
	Diameter	Pitch		
GRU28II ×30	63	30	C3	PMI
GRU28II ×40	80	30	C3	PMI
GRU28II ×50	80	40	C3	PMI
GRU28II ×60	80	40	C3	PMI

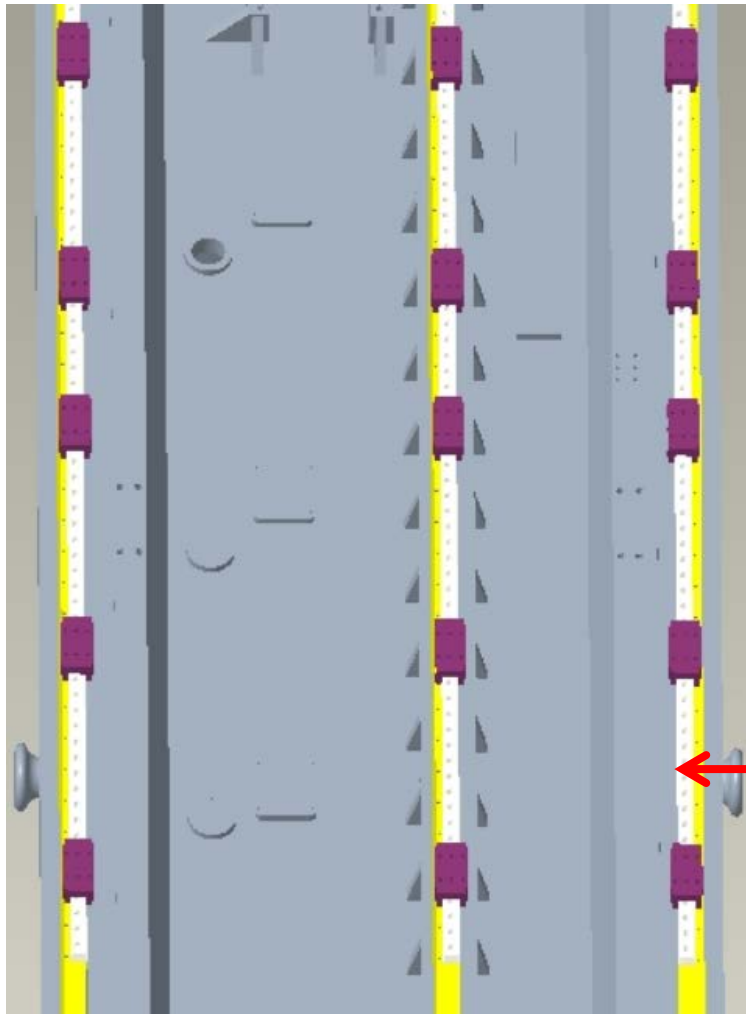
Model	Type	width (mm)	Slider type	precision level	No.	Span A(mm)	Brand
GRU28II ×30	MRS45	45	MRW45	G2	10	1200	SCHNEEBERGER
GRU28II ×40	MRS45	45	MRW45	G2	12	1200	SCHNEEBERGER
GRU28II ×50	MRS45	45	MRW45	G2	14	1200	SCHNEEBERGER
GRU28II ×60	MRS45	45	MRW45	G2	18	1200	SCHNEEBERGER

Structural features - ball screw and linear guideway -X axis



Model	Ball screw (mm)		Ball screw precision level	Brand
	Diameter	Pitch		
GRU32II × 40	80	40	C3	PMI
GRU32II × 50	80	40	C3	PMI
GRU32II × 60	80	40	C3	THK
GRU32II × 80	100	40	C3	SHUTO
GRU36II × 50	80	40	C3	PMI
GRU36II × 60	80	40	C3	THK
GRU36II × 80	100	40	C3	SHUTO
GRU42II × 50	80	40	C3	PMI
GRU42II × 60	80	40	C3	THK
GRU42II × 80	100	40	C3	SHUTO
GRU42II × 100	Rack and pinion			
GRU42II × 120	Rack and pinion			

Structural features - ball screw and linear guideway -X axis

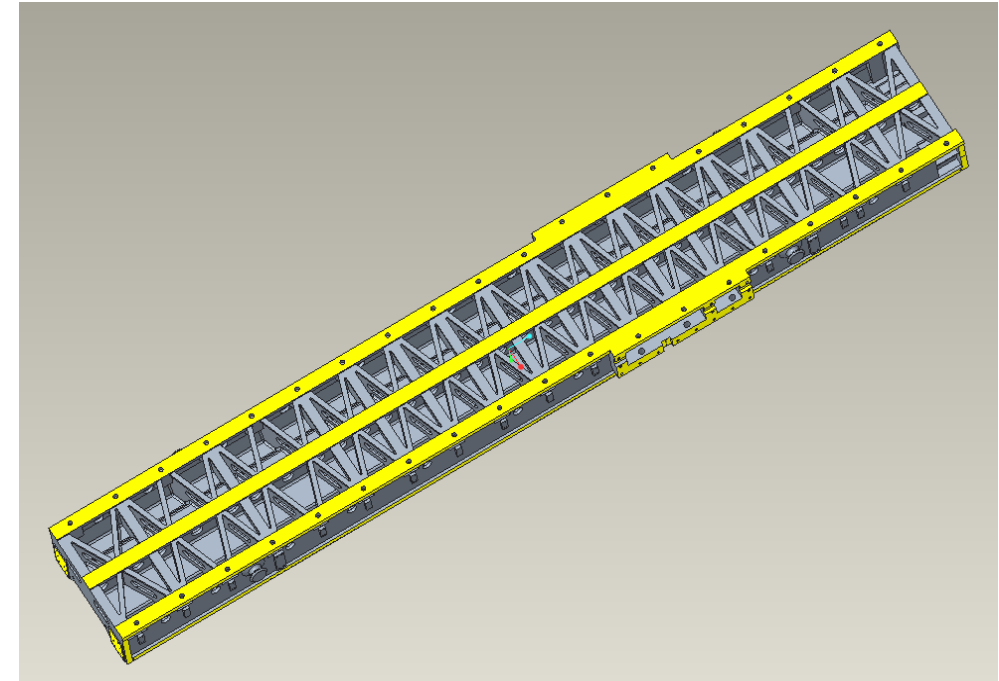


Span of linear guideway A

Model	Type	width (mm)	Slider type	preci on level	No.	Span A(mm)	Brand
GRU32II ×40	MRS45	45	MRW55	G2	10	1630	SCHNEEBERGER
GRU32II ×50	MRS45	45	MRW55	G2	10	1630	SCHNEEBERGER
GRU32II ×60	MRS45	45	MRW55	G2	12	1630	SCHNEEBERGER
GRU32II ×80	MRS45	45	MRW55	G2	10	1630	SCHNEEBERGER
GRU36II ×50	MRS45	45	MRW55	G2	12	1630	SCHNEEBERGER
GRU36II ×60	MRS45	45	MRW55	G2	14	1630	SCHNEEBERGER
GRU36II ×80	MRS45	45	MRW55	G2	18	1630	SCHNEEBERGER
GRU42II ×50	MRS45	45	MRW55	G2	12	1630	SCHNEEBERGER
GRU42II ×60	MRS45	45	MRW55	G2	14	1630	SCHNEEBERGER
GRU42II ×80	MRS45	45	MRW55	G2	18	1630	SCHNEEBERGER
GRU42II ×100	Rack and pinion						
GRU42II ×120	Rack and pinion						



The excellent rigidity makes GRUII series machine bed have the advantage of load-bearing, which is nearly 20% higher than Taiwan machine tools of the same specifications.



The internal of the bed adopt cross ribs, which can not only maintain high rigidity, but also improve the lateral torsion resistance, reduce the amplitude of the workpiece in the lateral processing, and improve the machining accuracy.



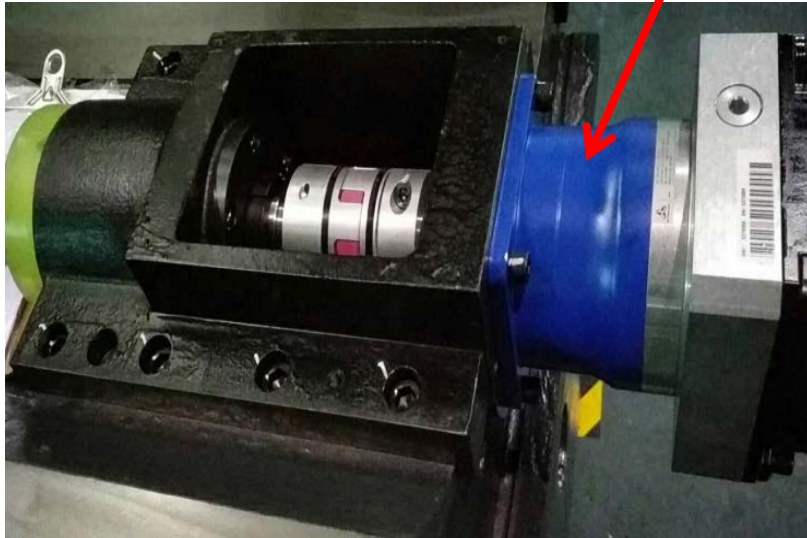
GRU28 II series is equipped with 2.5m worktable, GRU32 II/36 II/42 II and so on. The bed guide adopts three guide structures, and three groups of roller line rail sliders are densely distributed to support the workpiece load on average. The worktable maintains the best rigidity and flatness under the processing conditions of strong cutting at different loads and positions.



GRU28 II \times 50/60 and GRU32 II /36 II /42 II \times 50 /60/80 bed X-axis rolling lead screws are equipped with follow-up auxiliary support. This technology solves the technical difficulties of positioning accuracy and load out of tolerance caused by gravity sag in the middle of the lead screw of large precision CNC gantry machining center, so as to improve the transmission accuracy.

Structural features -reducer

reducer



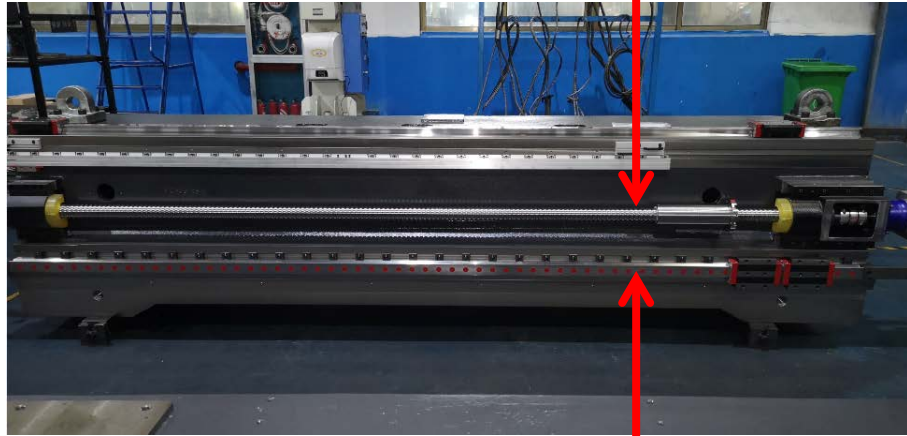
X/Y axis drive system adopts motor + reducer imported from Germany+ integral type motor base, which has better assembly precision. Compared with the motor + belt drive structure, this former has better rigidity

Belt drive mechanism

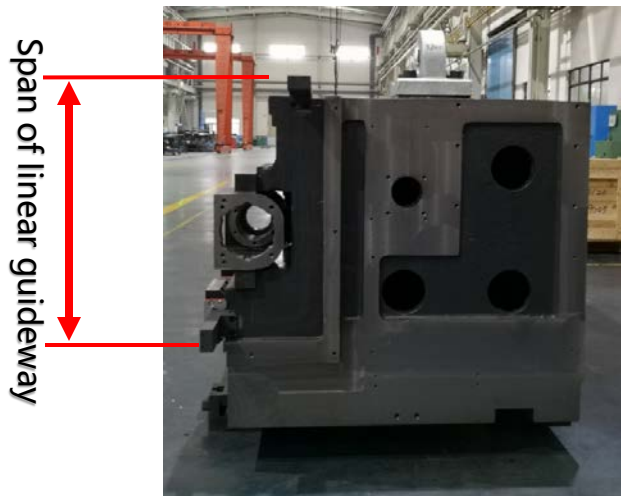


Motor + belt drive structure of other brands

Structural features - ball screw and linear guideway -Y axis



Model	Ball screw (mm)		Ball screw precision level	Brand
	Diameter	Pitch		
GRU28II	50	12	C3	PMI
GRU32II	63	20	C3	PMI
GRU36II	63	20	C3	PMI
GRU42II	63	20	C3	PMI
GRU42II (4600mm)	63	20	C3	PMI
GRU42II (5200mm)	63	20	C3	PMI



Model	Type	width (mm)	Slider type	precision level	No.	Span A(mm)	Brand
GRU28II	MRS55	53	MRW55	4	G2	623.5	SCHNEEBERGER
GRU32II	MRS55	53	MRW55	4	G2	623.5	SCHNEEBERGER
GRU36II	MRS55	53	MRW55	4	G2	623.5	SCHNEEBERGER
GRU42II	MRS55	53	MRW55	4	G2	623.5	SCHNEEBERGER
GRU42II (4600mm)	MRS55	53	MRW55	4	G2	623.5	SCHNEEBERGER
GRU42II (5200mm)	MRS55	53	MRW55	4	G2	623.5	SCHNEEBERGER



Arch way

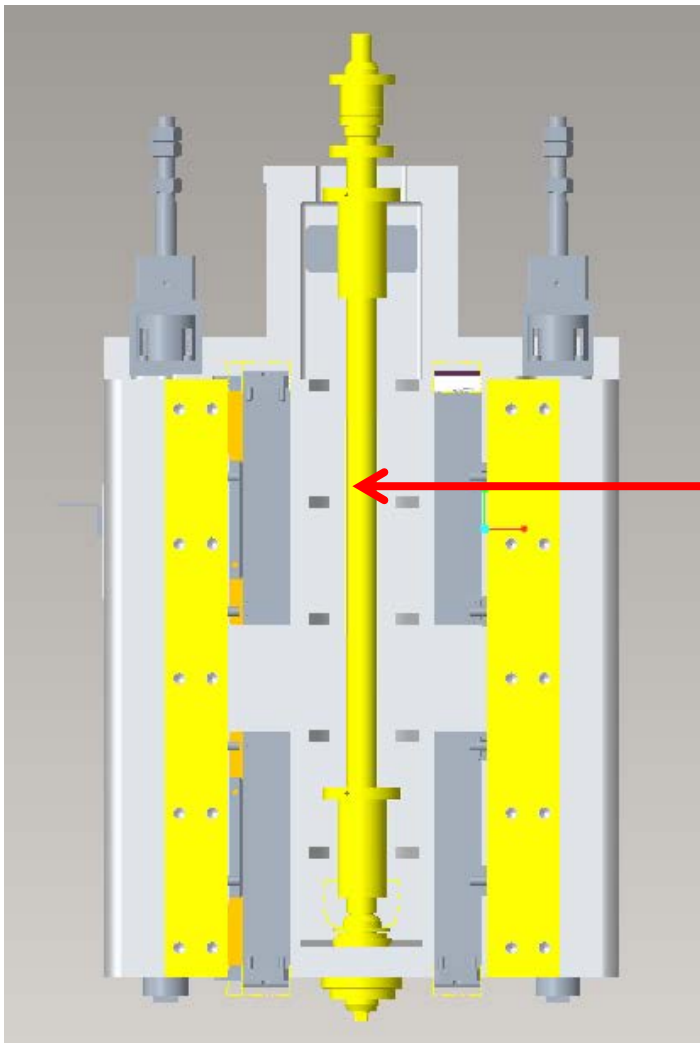


1010mm

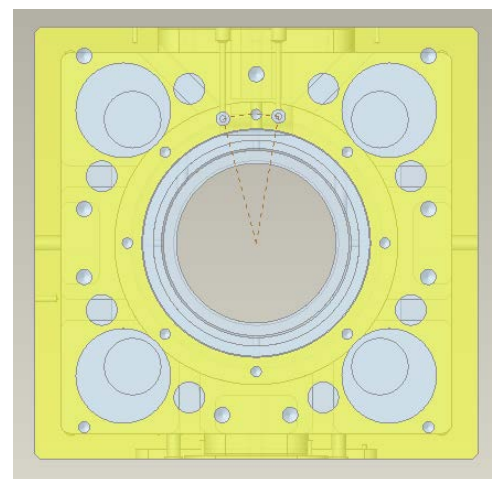
1. GRU36/42II Series beam uses 1010 width; at the same time, through mechanical design and finite element method, a new beam section and internal reinforcement are designed. At the same time, arch bridge mode and internal reinforcement are added. The perfect combination of the two makes the beam rigidity greatly improved.
2. GRU36II Series beams are arranged with 90 degree double track (schnaberger MR55 heavy duty roller guide rail) to give full play to the rigidity of the beam and the best rigidity of the track itself.
3. The transmission structure of large lead screw ($> 80\text{mm}$) + large reducer and the high rigidity of cross beam are more suitable for strong cutting.



Structural features - ball screw and linear guideway -Z axis



Model	Ball screw (mm)		Ball screw precision level	Brand
	Diameter	Pitch		
GRU28II series	50	10	C3	PMI/THK
GRU32II series	50	10	C3	PMI/THK
GRU36II series	50	10	C3	PMI/THK
GRU42II series	50	10	C3	PMI/THK



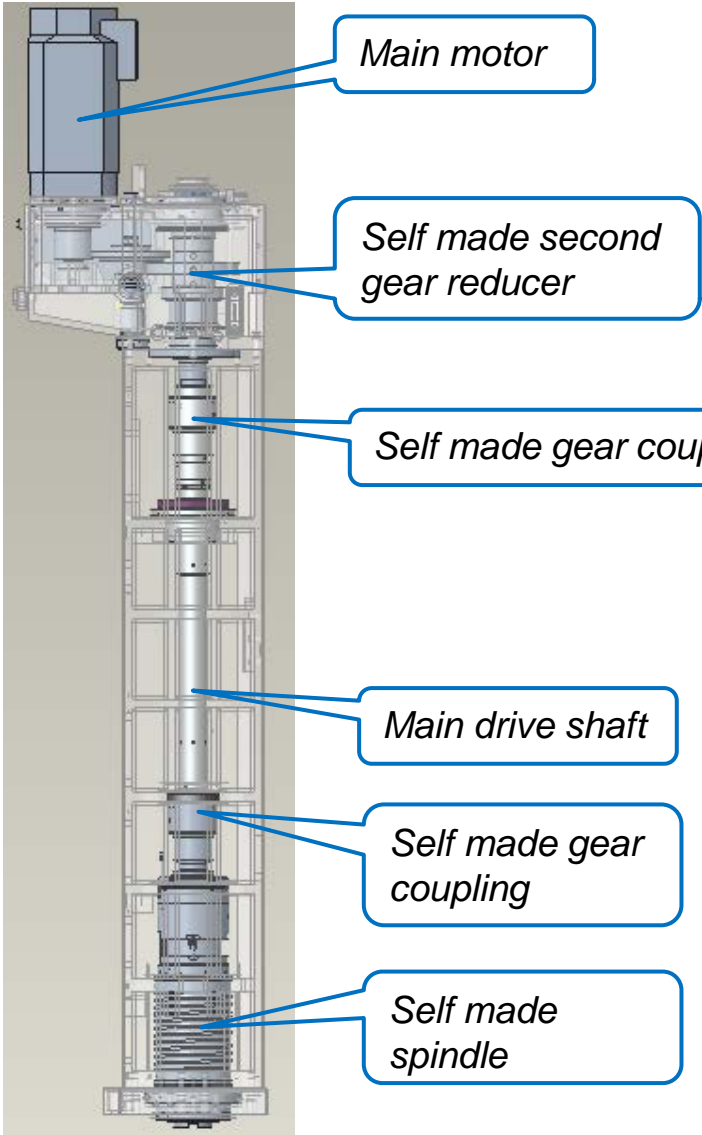
4
2
0

430

The 420 × 430 square ram structure optimized by GRUII series is made of high-strength high-quality cast iron and resin sand. The guide rail pair is made of German baose plastic plate and medium frequency hardened sliding rail structure. The strong lubrication system is used to balance with hydraulic double oil cylinders. The square ram structure with large section has good seismic performance.

Structural features - main drive components

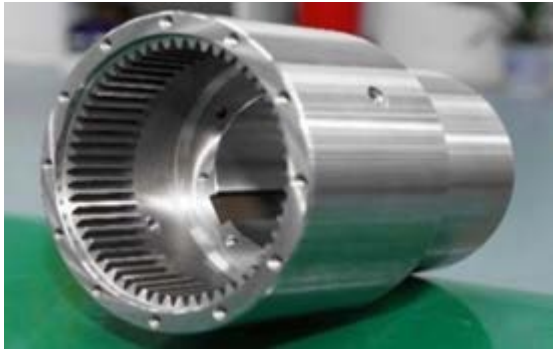
HISION



Self made complete set of transmission parts

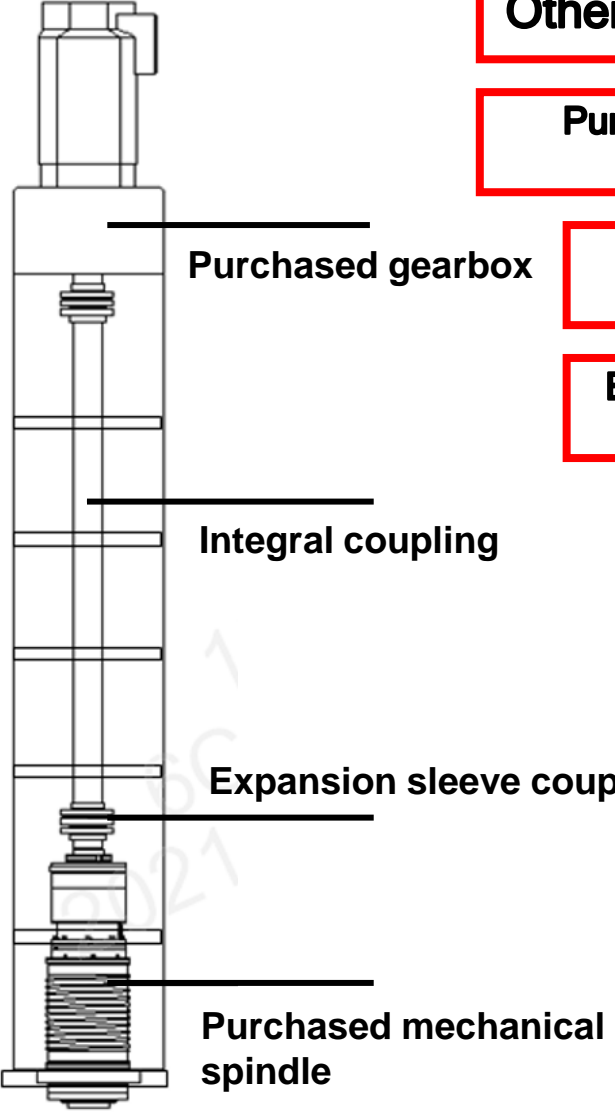
Drive rod support bearing

Toothed double key coupling



HISION

Other brands



Purchased and assembled transmission parts

Long transmission rod without auxiliary support

Elastic coupling with screw expansion sleeve



Structural features - spindle components

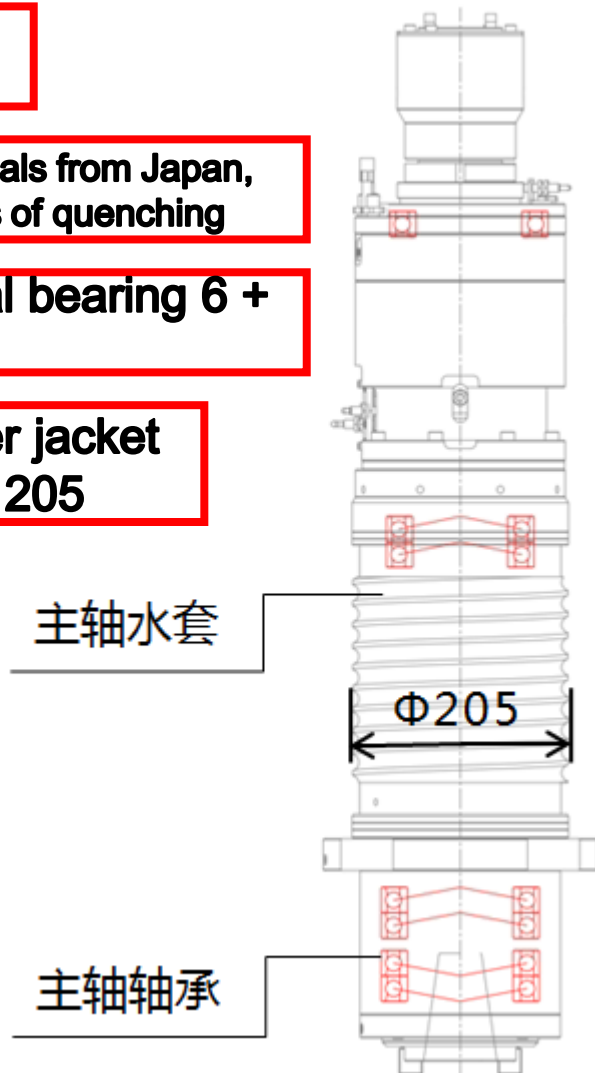


HISION

Imported materials from Japan,
high hardness of quenching

Spindle internal bearing 6 +
1

Spindle water jacket
diameter 205

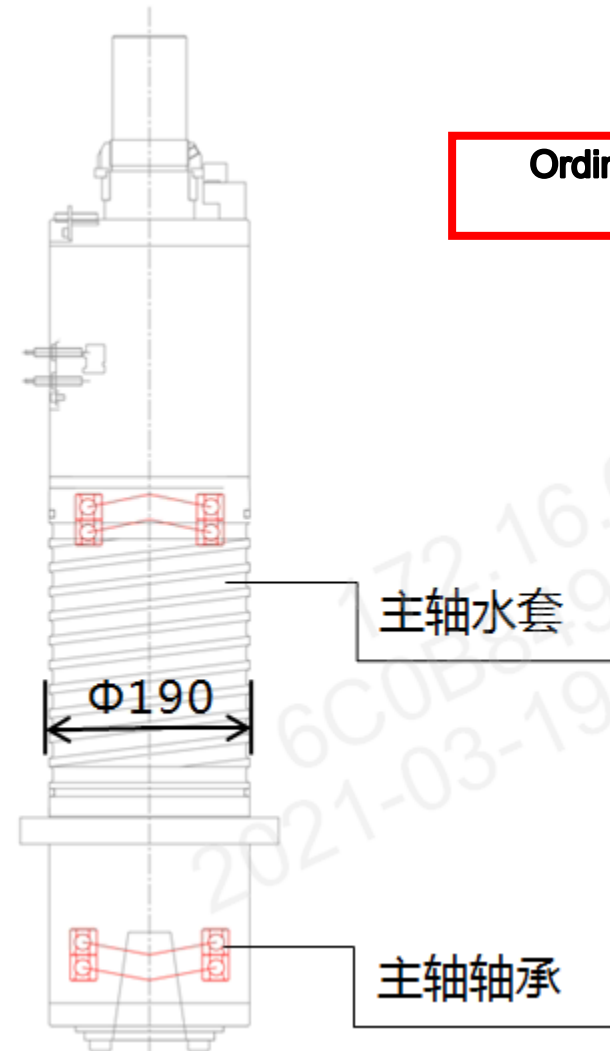


Other brands

Ordinary 20CrMo material has low
quenching hardness

4 internal bearings of
main shaft

Spindle water jacket
diameter 190



Structural features -transmission



HISON

Simple fixed shaft gear transmission structure, high reliability

Large module gear, large transmission shaft and large bearing are adopted



Other brands

Complex planetary gear transmission structure, high failure rate

Small module gear, small transmission shaft and small bearing are adopted





500mm



1100mm

1. GRU II Series column, 1100mm in width and 500mm in thickness, adopts high-strength high-quality cast iron, resin sand molding, and reasonable internal reinforcement layout, fully meeting the support rigidity of beam components and saddle ram components.
2. According to the size characteristics of customers' parts, the column can be selected and heighten to meet the needs of parts processing.

Power and torque of three axis-FANUC



Model	axis	type	Power kW	Torque Nm	Max torque Nm	Model	axis	type	Power kW	Torque Nm	Max torque Nm
GRU28II×30	X	αiF 40/3000	6	38	130	GRU32II×40	X	αiF 40/3000	6	38	130
	Y	αiF 30/4000	7	30	83		Y	αiF 30/4000	7	30	83
	Z	αiF 40/3000	6	38	130		Z	αiF 40/3000	6	38	130
	spindle	αiI 22/8000	22/26	140			spindle	αiI 22/8000	22/26	140	
GRU28II×40	X	αiF 40/3000	6	38	130	GRU32II×50	X	αiF 40/3000	6	38	130
	Y	αiF 30/4000	7	30	83		Y	αiF 30/4000	7	30	83
	Z	αiF 40/3000	6	38	130		Z	αiF 40/3000	6	38	130
	spindle	αiI 22/8000	22/26	140			spindle	αiI 22/8000	22/26	140	
GRU28II×50	X	αiF 40/3000	6	38	130	GRU32II×60	X	αiF 40/3000	6	38	130
	Y	αiF 30/4000	7	30	83		Y	αiF 30/4000	7	30	83
	Z	αiF 40/3000	6	38	130		Z	αiF 40/3000	6	38	130
	spindle	αiI 22/8000	22/26	140			spindle	αiI 22/8000	22/26	140	
GRU28II×60	X	αiF 40/3000	6	38	130	GRU32II×80	X	αiF 40/3000	6	38	130
	Y	αiF 30/4000	7	30	83		Y	αiF 30/4000	7	30	83
	Z	αiF 40/3000	6	38	130		Z	αiF 40/3000	6	38	130
	spindle	αiI 22/8000	22/26	140			spindle	αiI 22/8000	22/26	140	

Power and torque of three axis-FANUC



Model	axis	type	Power kW	Torque Nm	Max torque Nm	Model	axis	type	Power kW	Torque Nm	Max torque Nm
GRU36II×50	X	αiF 40/3000	6	38	130	GRU36II×120	X	αiF 40/3000	6	38	130
	Y	αiF 30/4000	7	30	83		Y	αiF 30/4000	7	30	83
	Z	αiF 40/3000	6	38	130		Z	αiF 40/3000	6	38	130
	spindle	αiI 22/8000	22/26	140			spindle	αiI 22/8000	22/26	140	
GRU36II×60	X	αiF 40/3000	6	38	130						
	Y	αiF 30/4000	7	30	83						
	Z	αiF 40/3000	6	38	130						
	spindle	αiI 22/8000	22/26	140							
GRU36II×80	X	αiF 40/3000	6	38	130						
	Y	αiF 30/4000	7	30	83						
	Z	αiF 40/3000	6	38	130						
	spindle	αiI 22/8000	22/26	140							
GRU36II×100	X	αiF 40/3000	6	38	130						
	Y	αiF 30/4000	7	30	83						
	Z	αiF 40/3000	6	38	130						
	spindle	αiI 22/8000	22/26	140							

Power and torque of three axis-FANUC



Model	axis	type	Power kW	Torque Nm	Max torque Nm	Model	axis	type	Power kW	Torque Nm	Max torque Nm
GRU42II×50	X	αiF 40/3000	6	38	130	GRU42II×120	X	αiF 40/3000	6	38	130
	Y	αiF 30/4000	7	30	83		Y	αiF 30/4000	7	30	83
	Z	αiF 40/3000	6	38	130		Z	αiF 40/3000	6	38	130
	spindle	αiI 22/8000	22/26	140			spindle	αiI 22/8000	22/26	140	
GRU42II×60	X	αiF 40/3000	6	38	130						
	Y	αiF 30/4000	7	30	83						
	Z	αiF 40/3000	6	38	130						
	spindle	αiI 22/8000	22/26	140							
GRU42II×80	X	αiF 40/3000	6	38	130						
	Y	αiF 30/4000	7	30	83						
	Z	αiF 40/3000	6	38	130						
	spindle	αiI 22/8000	22/26	140							
GRU42II×100	X	αiF 40/3000	6	38	130						
	Y	αiF 30/4000	7	30	83						
	Z	αiF 40/3000	6	38	130						
	spindle	αiI 22/8000	22/26	140							

Controller-FANUC 0i

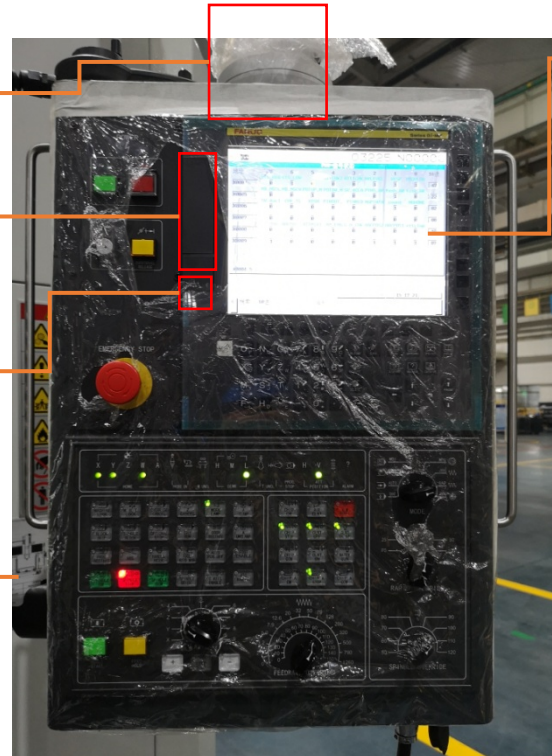


◆ Rotary operation control panel

◆ CF card

◆ USB interface

◆ Hand wheel



◆ 10.4" TFT LCD capacitive non-touch screen

operation control panel



System package		FANUC 0i a1	
Standard		Option	
No	Name	No	Name
1	Inserted Ethernet interface	1	RAM (2M)
2	10.4" TFT LCD capacitive non-touch screen	2	High speed processing 400
3	CF card + USB slot+RS232	3	Data-sever
4	R660 Mold package 200	4	三维动态图形显示功能
5	高速高精加工功能(AICC II)	5	五面体功能
		6	最大预读数段400
		7	高速处理功能
		8	机床CF存储卡 (非原装 1G)
		9	机床CF存储卡 (原装 1G)

Processing example -- Diesel Engine Industry



Organism



Piston

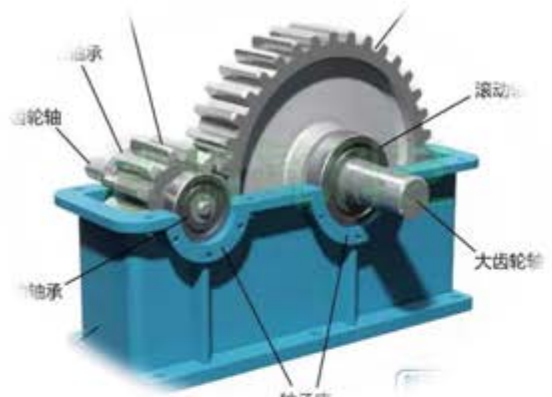


connecting rod



Crankshaft

Processing example -- wind power industry



减速箱体



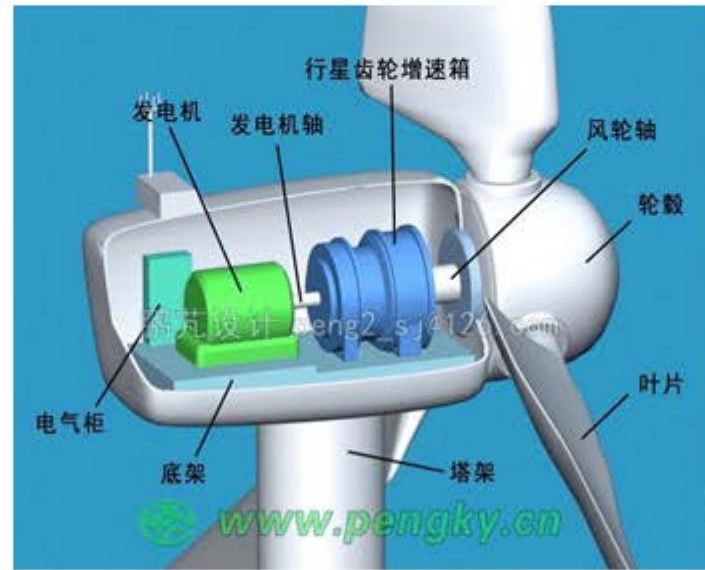
风轮轴



轮毂



轴承架



风力发电机主要构成



底座

Option configuration - enclosure

HISON



Simple enclosure
(ST)



Full enclosure without top cover



Full enclosure with top cover

Note:

- 1、GRU32 (36) II \times 80/100/120 and GRU42 II Series can only be equipped with local protection;
- 2、GRU28 II \times 30、GRU28 II \times 40 can be equipped with full protection with top ;
- 3、Top protection is recommended when water comes out of distribution center ;

Option configuration - Milling head



HISON

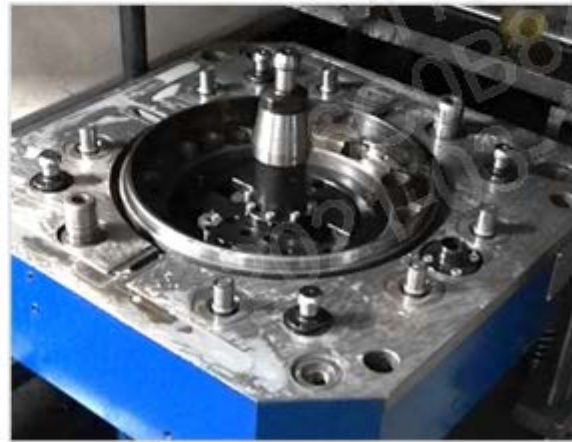
The whole structure is compact and the interference space is small

Three section puller cylinder

When the c-axis is rotated, the disengaging stroke of the tooth disc is large, and the reliability of the accessory head is high

Optional tool center water outlet

The maximum speed is 4000rpm



Other brands

The overall structure is large and the interference space is large

Two stage pulling head cylinder, hydraulic pressure retaining to realize positioning tooth disc locking c-axis

The internal tooth disc of the accessory head is positioned, the disengaging stroke of the tooth disc is small, and the reliability of the accessory head rotation is low

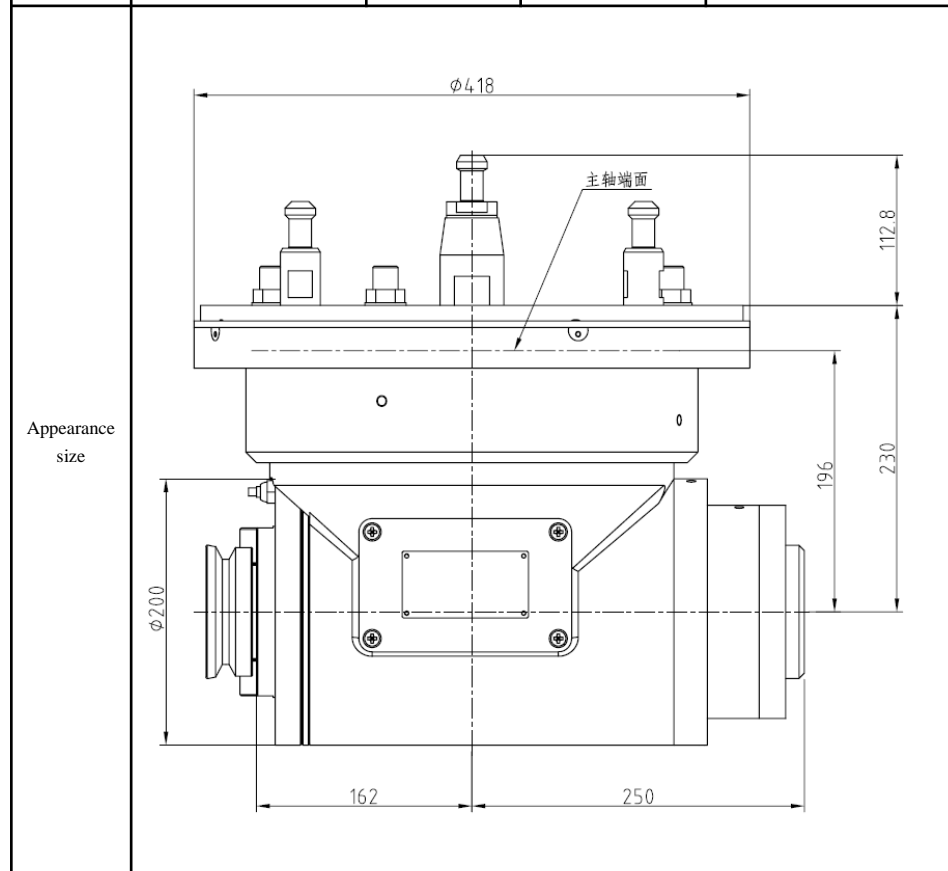
No optional tool center water outlet

The maximum speed is 2000rpm

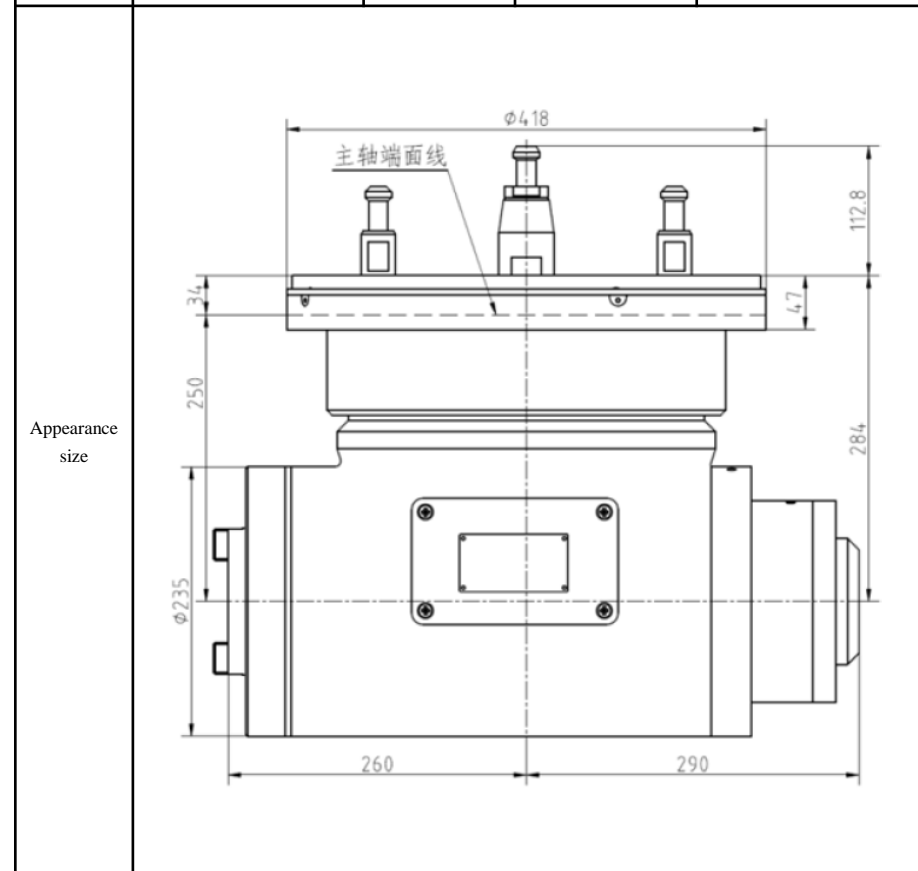
Option configuration - Auto milling head



Name	Major Function	Technical description		Remarks
Short nose automatic milling head	Automatic head change	C-axis automatic indexing	360° rotation	It is suitable GRU II、GRUE、GNU、GZU models.
	Automatic transposition	Index value	5° (2.5°)	
	Automatic Tool clamping	maximum power	15KW	
	Automatic cooling water	Speed range	2000r/min	
	Nasal air curtain	Spindle taper	ISO 50	
	Center blowing of spindle	Maximum torque	500Nm	



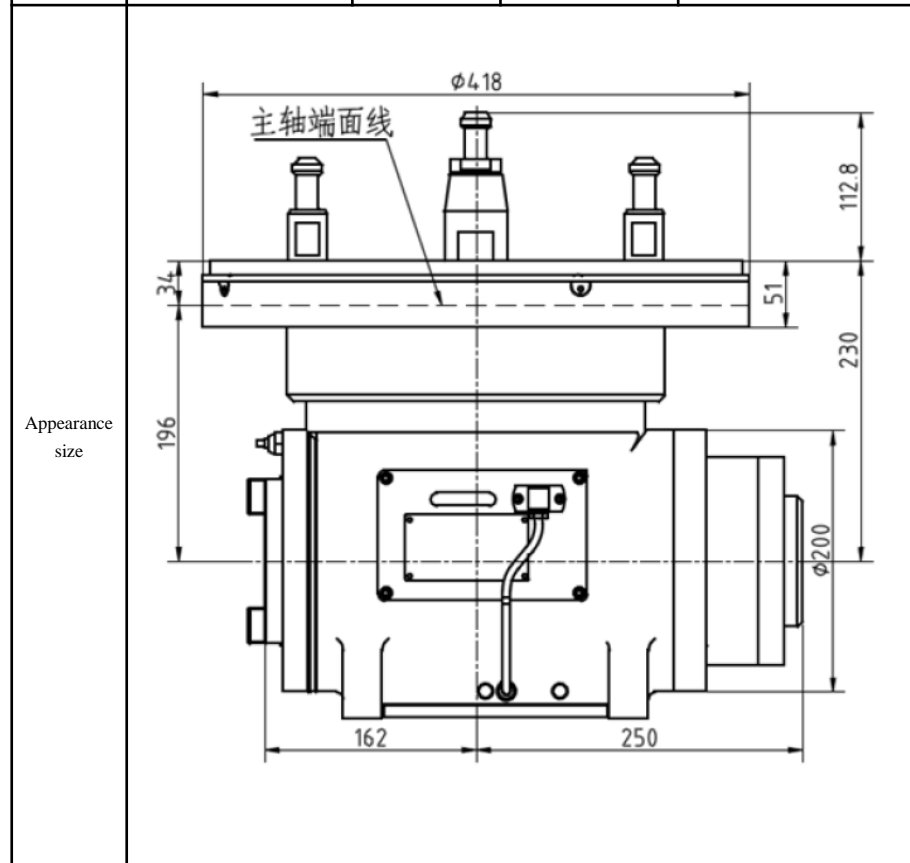
Name	Major Function	Technical description		Remarks
Short nose automatic milling head	Automatic head change	C-axis automatic indexing	360° rotation	It is suitable GRU II、GRUE、GNU、GZU models.
	Automatic transposition	Index value	5° (2.5°)	
	Automatic Tool clamping	maximum power	25KW	
	Automatic cooling water	Speed range	2000r/min	
	Nasal air curtain	Spindle taper	ISO 50	
	Center blowing of spindle	Maximum torque	1500Nm	



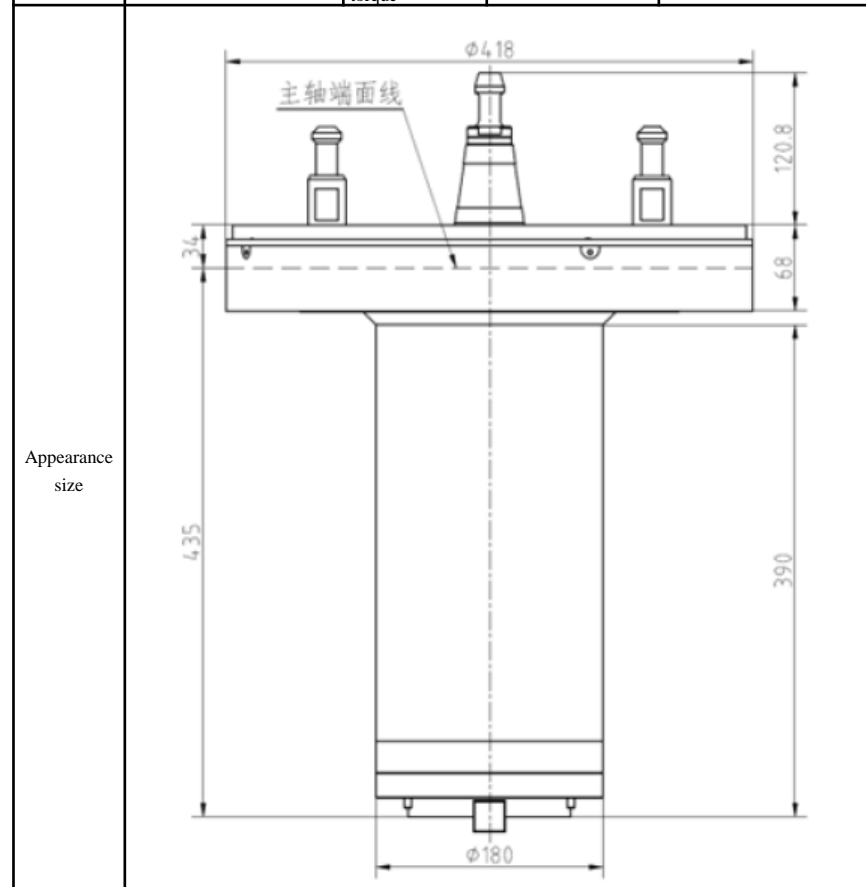
Option configuration - Auto milling head



Name	Major Function	Technical description		Remarks
Short nose automatic milling head	Automatic head change	C-axis automatic indexing	360° rotation	It is suitable GRU II、GRUE、GNU、GZU models.
	Automatic transposition	Index value	5° (2.5°)	
	Automatic Tool clamping	maximum power	15KW	
	Automatic cooling water	Speed range	4000r/min	
	Nasal air curtain	Spindle taper	ISO 50	
	Center blowing of spindle	Maximum torque	500Nm	



Name	Major Function	Technical description		Remarks
Short nose automatic extending head	Automatic head change Automatic transposition	maximum power	15KW	It is suitable GRU II、GRUE、GNU、GZU models.
		Index value	5° (2.5°)	
		Speed range	3500r/min	
		Spindle taper	ISO 50	
		Maximum torque	600Nm	



Option configuration - Auto milling head



Name	Major Function	Technical description		Remarks
Short nose automatic narrow head	Automatic head change Automatic transposition	maximum power	15KW	It is suitable GRU II、GRUE、GNU、GZU models.
		Speed range	800r/min	
		Spindle taper	ISO 50	
		Maximum torque	600Nm	
Appearance size				

Name	Major Function	Technical description		Remarks	
Short nose automatic narrow head	Automatic head change	C-axis automatic indexing	360° rotation	It is suitable GRU II、GRUE、GNU、GZU models.	
		Index value	5° (2.5°)		
	Automatic transposition	maximum power	15KW		
		Speed range	2000r/min		
	C-axis automatic rotation	Spindle taper	ISO 50		
		Maximum torque	500Nm		
	Manual rotation of axis A	A-axis automatic indexing	±90° rotation (5° 一分)		
		Index value	Ruler positioning		
	Automatic cooling water				
					Center blowing of spindle
Appearance size					



Option configuration - Auto milling head



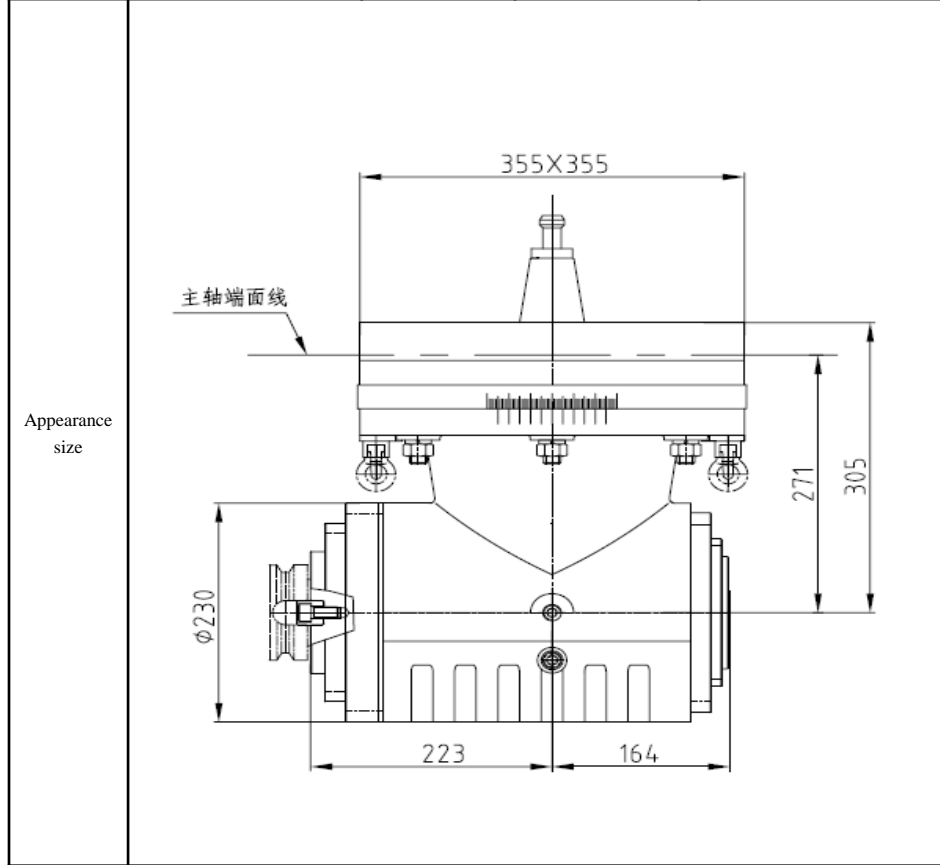
Name	Major Function	Technical description		Remarks
Automatic universal AC swing head	Automatic head change Automatic transposition A-axis automatic rotation C-axis automatic rotation Automatic cooling water Nasal air curtain Center blowing of spindle	C-axis rotation angle	0-360°	It is suitable GRU II、GRUE、GNU、GZU models.
		Minimum index value of axis C	5° (2.5°)	
		A-axis rotation angle	0-90°	
		Minimum index value of axis A	2.5° /1°	
		Locking mode of a / C axis	Toothed disc	
		Rated torque of spindle	600Nm	
		Maximum speed of spindle	4000rpm	
		Maximum power	15KW	
		Tool magazine type	ISO 50	
Appearance size				



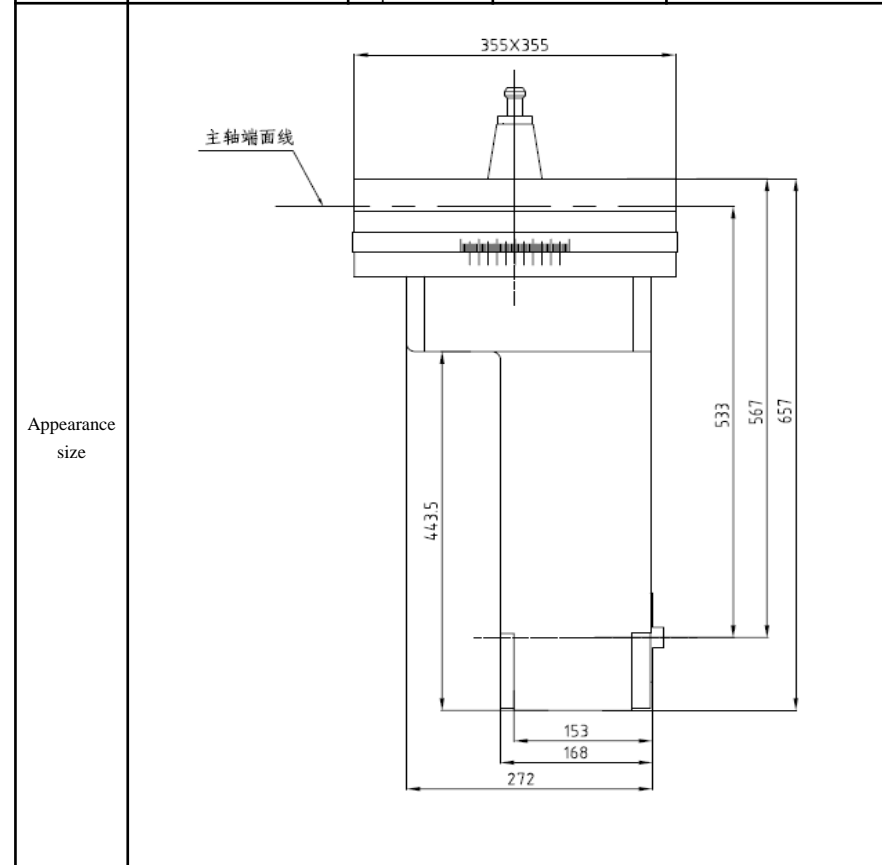
Option configuration - Manual milling head



Name	Major Function	Technical description		Remarks
Manual milling head	Manual head change Manual transposition	C-axis automatic indexing	360° rotation	It is suitable GRU II、GRUE、GNU、GZU models.
		Location	Double pin positioning / 90°	
		maximum power	20KW	
		Speed range	2000r/min	
		Spindle taper	ISO 50	
		Maximum torque	800Nm	



Name	Major Function	Technical description		Remarks
Manual narrow head	Manual head change Manual transposition	C-axis automatic indexing	360° rotation	It is suitable GRU II、GRUE、GNU、GZU models.
		Location	Double pin positioning / 90°	
		maximum power	7.5KW	
		Speed range	800r/min	
		Spindle taper	ISO 50	
		Maximum torque	500Nm	



Option configuration - Manual milling head



Name	Major Function	Technical description		Remarks
Manual milling head	Manual head change Manual transposition	C-axis automatic indexing	360° rotation	It is suitable GRU II、GRUE、GNU、GZU models.
		Location	Double pin positioning / 90°	
		maximum power	25KW	
		Speed range	2000r/min	
		Spindle taper	ISO 50	
		Maximum torque	800Nm	
Appearance size				



Option configuration - Manual milling head



Name	Major Function	Technical description		Remarks
Manual universal milling head	Manual head change Manual transposition	C-axis automatic indexing	360° rotation	It is suitable GRU II , GRUE、GNU、GZU models.
		Location	Double pin positioning / 90°	
		maximum power	15KW	
		Speed range	1000r/min	
		Spindle taper	ISO 50	
		Maximum torque	1000Nm	
		A-axis manual indexing	± 90° rotation	
		Location	Ruler positioning	
Appearance size				

Name	Major Function	Technical description		Remarks
Manual extending head	Manual head change	maximum power	15KW	It is suitable GRU II , GRUE、GNU、GZU models.
		Speed range	1500r/min	
		Spindle taper	ISO 50	
		Maximum torque	1000Nm	
Appearance size				





Head library

Note: choose B-type enclosure as option



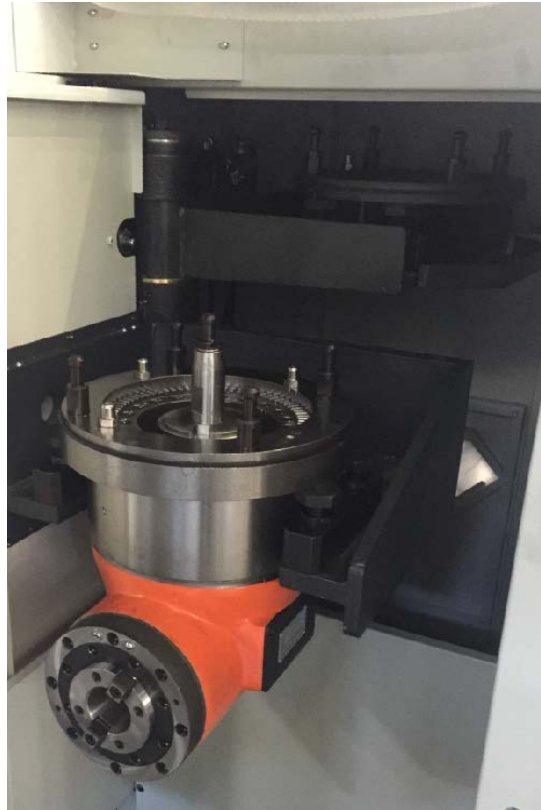
Vertical head library

Note: choose B-type enclosure as option



Vertical/horizontal head library

Note: choose B-type enclosure as option, full enclosure with top not available



Two station rotated head library



Two station table fixed head library



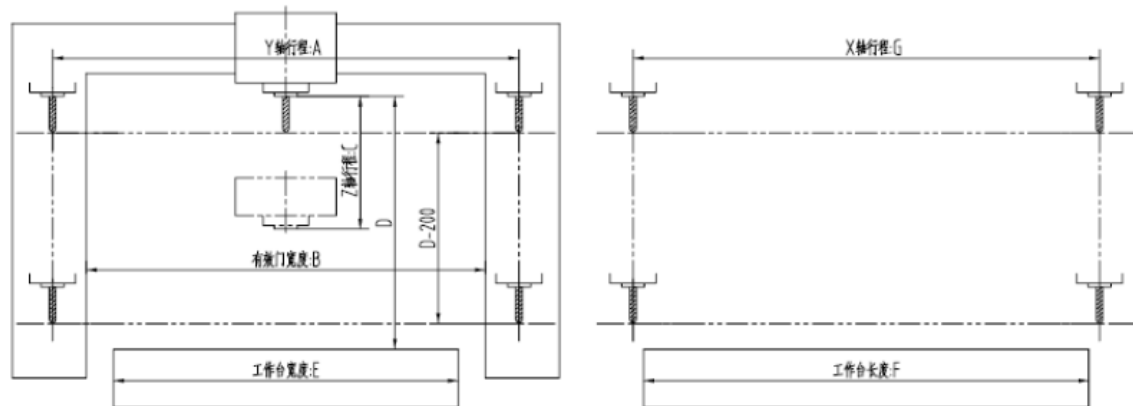
Single shaft head library

Standard configuration		Option configuration	
1	Controller : FANUC 0i	1	Controller : FANUC 31i
2	Gear box drive	2	Controller : SIEMENS 828D/840Dsl
3	Z axis hydraulic balance system	3	24/40 arm type ATC
4	spindle oil chiller	4	40 Vertical/horizontal ATC
5	Pneumatic, hydraulic and centralized lubrication system	5	Column heighten
6	Simple splash guard	6	Cross rail (Y axis) extended
7	Internal Helix chip conveyor	7	Z-axis travel 1250mm (RAM 420 × 430&column heightenmore 200 mm)
8	External chain chip conveyor	8	Coolant through spindle(2-6MPa)
9	cutting cooling	9	Linear scale
10	3-color light, working light	10	CNC rotary table(4th)
11	Standard attachments	11	Full enclosure
12	Common maintain tools	12	Auto milling head
		13	Manual milling head
		14	Two station auto rotated head library
		15	Manual cart head stock
		16	Workpiece probe
		17	Tool probe
		18	Oil skimmer
		19	Water gun
		20	Air gun
		21	Air conditioner

Processing scope with auto head

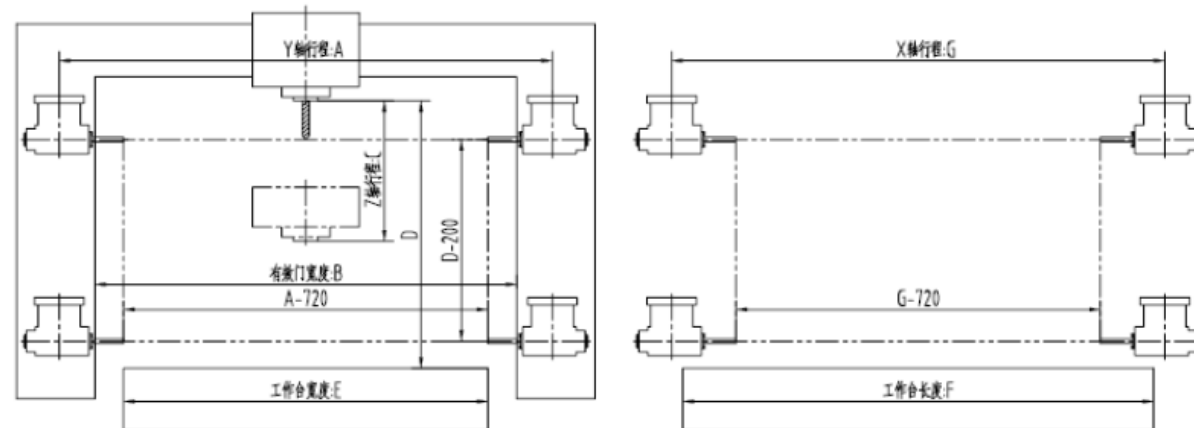


a) 标准配置加工范围，刀具长度 L=200mm 时。



尺寸(mm) 机型	A	B	C	D	E	F	G
GRU28 II × 30	2700 【3200】	2800	1000	150-1150	2000	3000	3200
GRU28 II × 40				【350-1350】		4000	4200
GRU28 II × 50				【550-1550】		5000	5500
GRU28 II × 60				【750-1750】		6000	6500
GRU32 II × 40	3200 【3600】	3200	1000	250-1250	2500	4000	4200
GRU32 II × 50				【450-1450】		5000	5500
GRU32 II × 60				【650-1650】		6000	6500
GRU32 II × 80				8000		8500	

b) 选配自动直角头(15kW)加工范围，刀具长度 L=200mm 时。

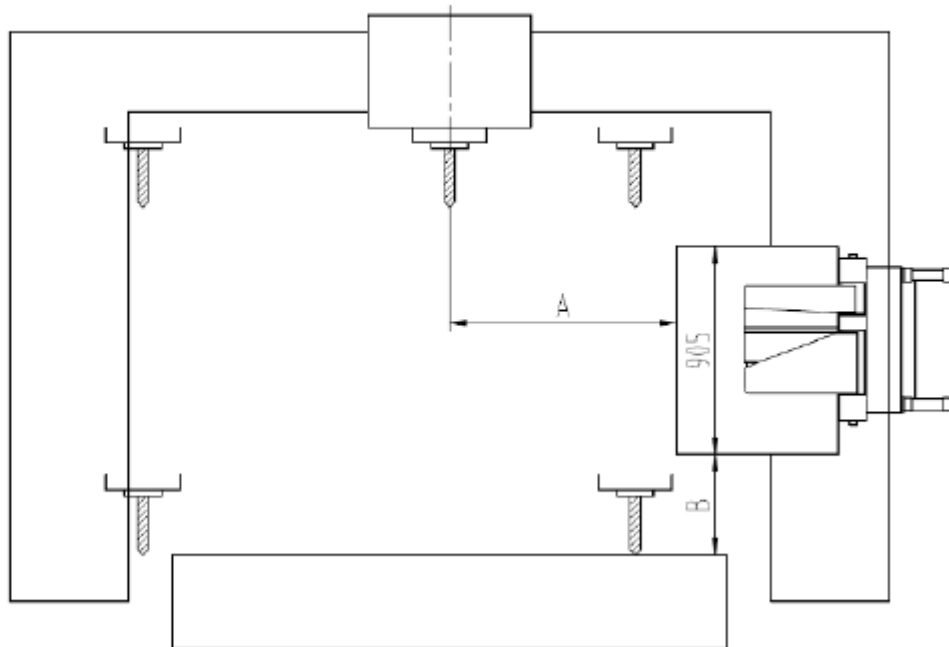


尺寸(mm) 机型	A	B	C	D	E	F	G
GRU28 II × 30	2700 【3200】	2800	1250	【100-1350】	2000	3000	3200
GRU28 II × 40				【300-1550】		4000	4200
GRU28 II × 50				【500-1750】		5000	5500
GRU28 II × 60				6000		6500	
GRU32 II × 40	3200 【3600】	3200	1250	200-1450	2500	4000	4200
GRU32 II × 50				【400-1650】		5000	5500
GRU32 II × 60				【600-1850】		6000	6500
GRU32 II × 80				8000		8500	
GRU36 II × 50	3600 【4200】	3600	1250	200-1450 【400-1650】 【600-1850】	3000	5000	5500
GRU36 II × 60						6000	6500
GRU36 II × 80						8000	8500
GRU36 II × 100						10000	10500
GRU36 II × 120						12000	12500

Description of processing range



c) 选配旋转头库的换头干涉范围

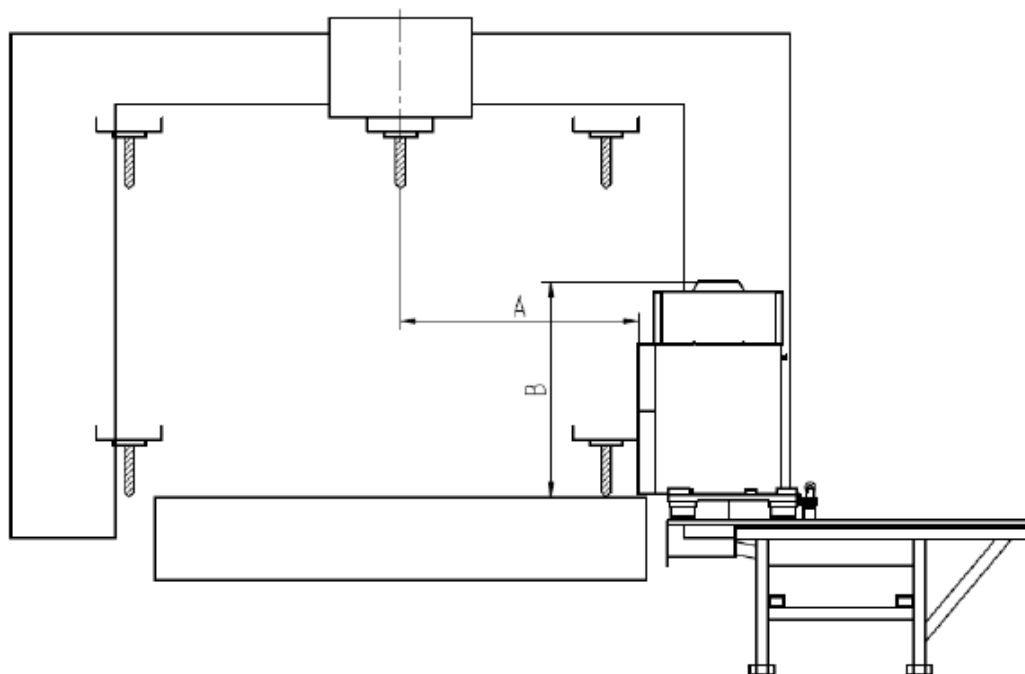


机床规格		干涉范围 (mm)	
		A	B
2700 行程横梁 2800 门宽 2m 工作台	标高立柱	910	175
	加高 200		
	加高 400		
	加高 600		
3200 行程横梁 2800 门宽 2m 工作台	标高立柱	1110	175
	加高 200		
	加高 400		
	加高 600		
3200 行程横梁 3200 门宽 2.5m 工作台	标高立柱	1160	75
	加高 200		475
	加高 400		
3600 行程横梁 3200 门宽 2.5m 工作台	标高立柱	1360	75
	加高 200		475
	加高 400		
3600 行程横梁 3600 门宽 3m 工作台	标高立柱	1335	200
	加高 200		600
	加高 400		
4200 行程横梁 3600 门宽 3m 工作台	标高立柱	1635	200
	加高 200		600
	加高 400		
4200 行程横梁 4200 门宽 3m 工作台	标高立柱	1635	200
	加高 200		600
	加高 400		

Description of processing range



d) 选配推车头库的换头干涉范围

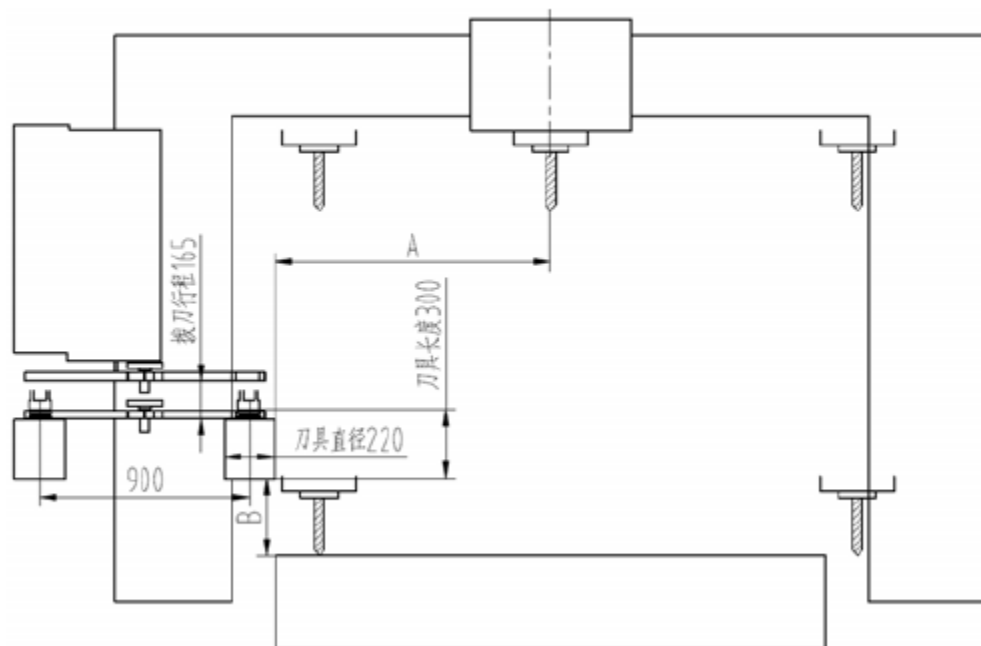


机床规格		干涉范围 (mm)	
		A	B
2800 门宽 2m 工作台	自动直角头	1030	1100
	自动延伸头		
	自动扁铣头		
	自动万能头		
3200 门宽 2.5m 工作台	自动直角头	1280	1000
	自动延伸头		
	自动扁铣头		
	自动万能头		
3600 门宽 3m 工作台	自动直角头	1450	1150
	自动延伸头		
	自动扁铣头		
	自动万能头		
4200 门宽 3m 工作台	自动直角头	1750	1150
	自动延伸头		
	自动扁铣头		
	自动万能头		

Description of processing range

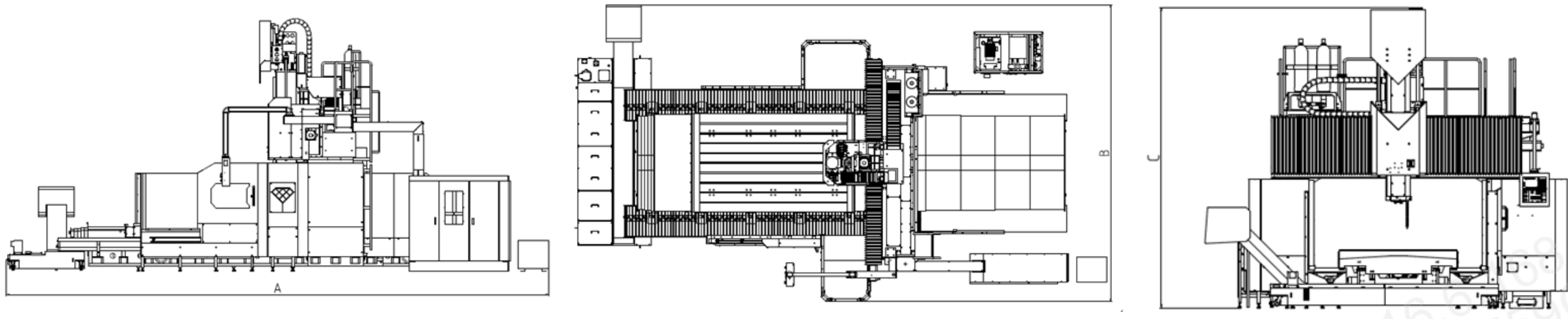


e) 选配 24 把立式刀库的换刀干涉范围



机床规格		干涉范围 (mm)	
		A	B
2700 行程横梁 2800 门宽 2m 工作台	标高立柱	1220	-245
	加高 200		-45
	加高 400		155
	加高 600		355
3200 行程横梁 2800 门宽 2m 工作台	标高立柱	1420	-245
	加高 200		-45
	加高 400		155
	加高 600		355
3200 行程横梁 3200 门宽 2.5m 工作台	标高立柱	1470	-145
	加高 200		55
	加高 400		255
3600 行程横梁 3200 门宽 2.5m 工作台	标高立柱	1670	-145
	加高 200		55
	加高 400		255
3600 行程横梁 3600 门宽 3m 工作台	标高立柱	1335	200
	加高 200		600
	加高 400		
4200 行程横梁 3600 门宽 3m 工作台	标高立柱	1635	200
	加高 200		600
	加高 400		
4200 行程横梁 4200 门宽 3m 工作台	标高立柱	1635	200
	加高 200		600
	加高 400		

Machine size



Model	Size	Length A(cm)	Width B(cm)	Height C(cm)
GRU28 II	×30	1050	530	550
GRU28 II	×40	1250	530	550
GRU28 II	×50	1500	530	550
GRU28 II	×60	1700	530	550
GRU32 II	×40	1250	580	570
GRU32 II	×50	1500	580	570
GRU32 II	×60	1700	580	570
GRU32 II	×80	2300	580	570
GRU36 II	×50	1500	620	695
GRU36 II	×60	1700	620	695
GRU36 II	×80	2300	620	695

Model	Size	Length A(cm)	Width B(cm)	Height C(cm)
GRU42 II	×50	1500	710	695
GRU42 II	×60	1700	710	695
GRU42 II	×80	2300	710	695
GRU42 II	×100	2900	710	695
GRU42 II	×120	3200	710	695

Note: Machine length A and width B do not include chip conveyor

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谢谢观看！

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