

THE G2

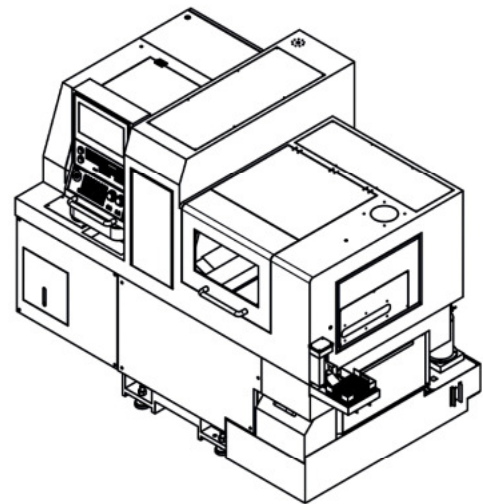
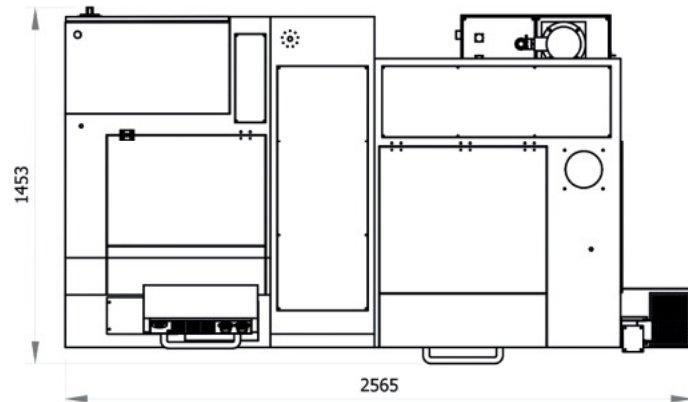
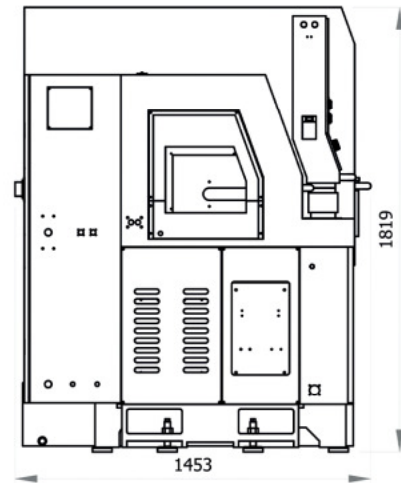
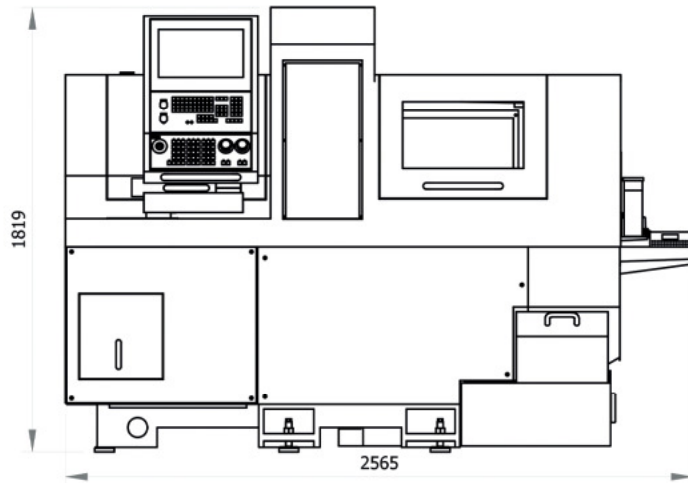


Designed for Precision Machining



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Standard Configuration

- Rotary guide sleeve
- Liquid level detection switch
- Non-guide sleeve device
- External handwheel
- Radial power tool device
- Spindle oil-cooler
- Front unloading device of sub-spindle
- LED lighting device
- Parts transfer device
- LED three-color alarm lamp

NC Functions

- Siemens SINUMERIK 828D system
- Absolute position servo with bus communication
- Handwheel simulation
- Sub-spindle synchronous material receiving
- Rigid tapping for power tools
- C1/C2 axis coupling
- Z1/Z2 axis coupling
- Torque detection
- Cutting detection (software type)

Options

- High-pressure cooling unit
- Oil mist collector
- Chip conveyor
- Various power tools (refer to the optional configuration diagram)
- Long-material unloading
- Flow detection switch
- Cutting detection (mechanical type)
- Safety door lock

Technical Specifications

Processing capabilities		G2 L205	G2 L265	G2 205	G2 206	G2 265	G2 266
Max. processing bar diameter (in)		Φ0.79	Φ1.02	Φ0.79	Φ0.79	Φ1.02	Φ1.02
Spindle through hole diameter (in)		Φ0.98	Φ1.18	Φ0.98	Φ0.98	Φ1.18	Φ1.18
Max. processing length(in)	No guide bushing	2.50D(Max. 1.97)	2.50D(Max. 1.97)	2.50D(Max. 1.97)	2.50D(Max. 1.97)	2.50D(Max. 1.97)	2.50D(Max. 1.97)
	Fixed guide sleeve	8.66(optional)	8.66(optional)	8.66(optional)	8.66(optional)	8.66(optional)	8.66(optional)
	Rotary guide sleeve	7,09	7,09	7,09	7,09	7,09	7,09
Max. clamping diameter of back spindle (in)		Φ0.79	Φ0.79	Φ0.79	Φ0.79	Φ0.79	Φ0.79
Max. drilling diameter of spindle (in)		Φ0.39	Φ0.39	Φ0.39	Φ0.39	Φ0.39	Φ0.39
Max. tapping diameter of spindle		M10	M10	M10	M10	M10	M10
Max. drilling diameter of back spindle (in)		Φ0.39	Φ0.39	Φ0.39	Φ0.39	Φ0.39	Φ0.39
Max. tapping diameter of back spindle		M8	M8	M10	M10	M10	M10
Max. drilling diameter of radial live tool (in)		Φ0.32	Φ0.32	Φ0.32	Φ0.32	Φ0.32	Φ0.32
Max. tapping diameter of radial live tool		M6	M6	M6	M6	M6	M6
Max. drilling diameter of back powered tool (in)		Φ0.32(optional)	Φ0.32(optional)	Φ0.32(optional)	Φ0.32	Φ0.32(optional)	Φ0.32
Max. tapping diameter of back powered tool		M6(optional)	M6(optional)	M6(optional)	M6	M6(optional)	M6

Mechanical capabilities

Spindle speed (r/min)	10000(rotary guide sleeve 8000)	10000(rotary guide sleeve 8000)	10000(rotary guide sleeve 8000)	10000(rotary guide sleeve 8000)	10000(rotary guide sleeve 8000)	10000(rotary guide sleeve 8000)
Back spindle speed (r/min)	10000	10000	10000	10000	10000	10000
Radial live tool speed (r/min)	5000	5000	6000	6000	6000	6000
Back live tool speed (r/min)	6000(optional)	6000(optional)	6000(optional)	6000	6000(optional)	6000
Rapid moving speed (m/min)	944.90(X78.70, Y39.40, Z39.40, Z78.70)	944.90(X78.70, Y39.40, Z39.40, Z78.70)	944.90(X78.70, Y39.40, Z39.40, Z78.70)	944.90(X78.70, Y39.40, Z39.40, Z78.70)	944.90(X78.70, Y39.40, Z39.40, Z78.70)	944.90(X78.70, Y39.40, Z39.40, Z78.70)
	787.4(X39.4)	787.4(X39.4)	787.4(X39.4)	787.4(X39.4, Y78.7)	787.4(X39.4)	787.4(X39.4, Y78.7)
Spindle runout (in)	≤0.000079	≤0.000079	≤0.000079	≤0.000079	≤0.000079	≤0.000079
Repeat positioning accuracy (in)	≤0.000118	≤0.000118	≤0.000118	≤0.000118	≤0.000118	≤0.000118

Tool system

External cylindrical tools	1(□16)+5(□12)	1(□16)+5(□12)	1(□16)+5(□12)	1(□16)+5(□12)	1(□16)+5(□12)	1(□16)+5(□12)
End face machining tools	4(ER16)	4(ER16)	4(ER16)	4(ER16)	4(ER16)	4(ER16)
Radial live tools	2(ER11)+2(ER16)	2(ER11)+2(ER16)	2(ER11)+2(ER16)	2(ER11)+2(ER16)	2(ER11)+2(ER16)	2(ER11)+2(ER16)
Deep hole tool holder	4(ER16)+1(Φ20)	4(ER16)+1(Φ20)	2(ER16, optional)	2(ER16, optional)	2(ER16, optional)	2(ER16, optional)
Back machining tools	-	-	4(ER16)	4(ER16)	4(ER16)	4(ER16)
Back powered tool	-	-	Optional	4(ER16)	Optional	4(ER16)
Back turning tool holder	-	-	none	2(□16, optional)	none	2(□16, optional)

Motor power

Spindle (hp)	5,63	5,63	5,63	5,63	5,63	5,63
Back spindle (hp)	4,16	4,16	5,63	5,63	5,63	5,63
Linear drive shaft (hp)	1.34 (X1.34, X2.68, Y1.34, Z1.34) 1.01 (Z2.68)	1.34 (X1.34, X2.68, Y1.34, Z1.34) 1.01 (Z2.68)	1.34(Siemens: 1.26)	1.34(Siemens: 1.26)	1.34(Siemens: 1.26)	1.34(Siemens: 1.26)
Radial live tool (hp)	1,34	1.34	1.34(Siemens: 1.26)	1.34(Siemens: 1.26)	1.34(Siemens: 1.26)	1.34(Siemens: 1.26)
Back live tool (hp)	1,01	1,01	1.34(Siemens:1.26 (Optional)	1.34(Siemens:1.26)	1.34(Siemens:1.26 (Optional)	1.34(Siemens:1.26)
Cooling pump (hp)	0,54	0,54	0,54	0,54	0,54	0,54

Weight and size

Weight (lb)	5291	5291	6393	6614	6393	6614
Size (in)	93.70×51.18×69.69	93.70×51.18×69.69	100.98×53.15×72.83	100.98×53.15×72.83	100.98×53.15×72.83	100.98×53.15×72.83

