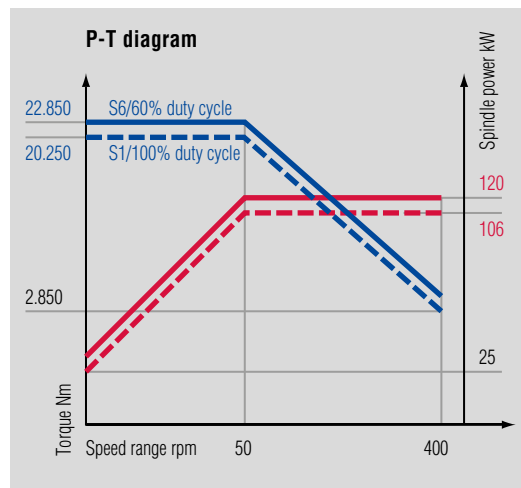
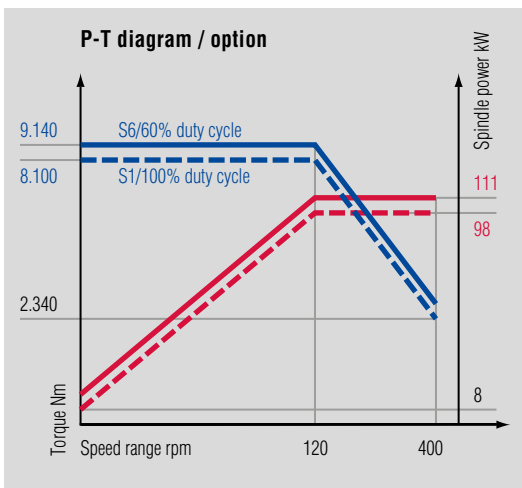
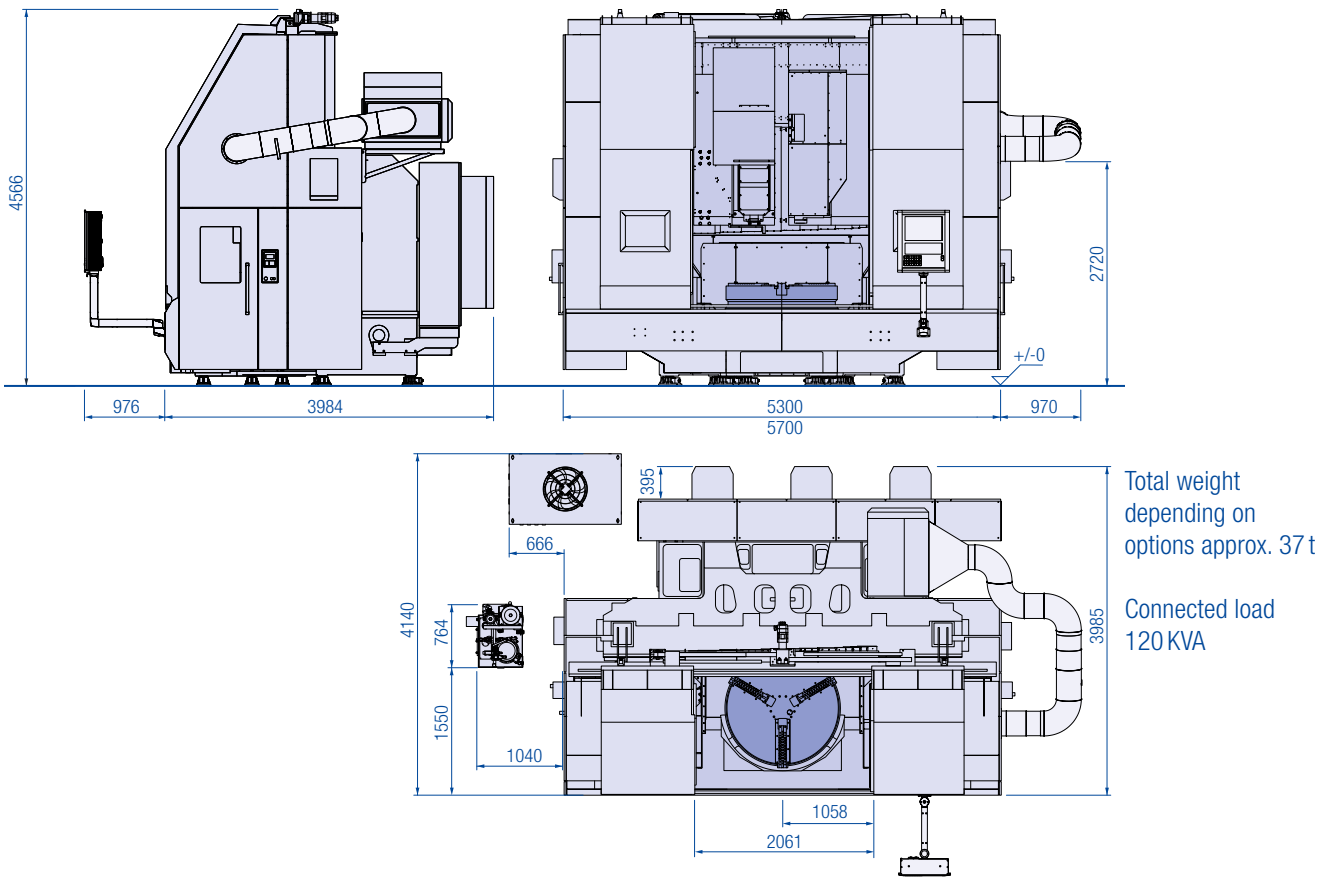




Your Benefits at a Glance

- Machine with one turning ram for small-batch and single-item production
- Roughing and finishing combined in one machine
- Clamping chuck with quick jaw-change system
- Integrated tool and work piece probing
- Ready for automatic loading
- Low maintenance requirements





RQ WHEELTURN



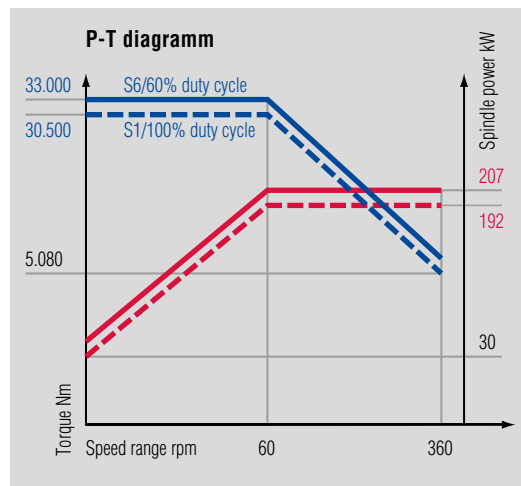
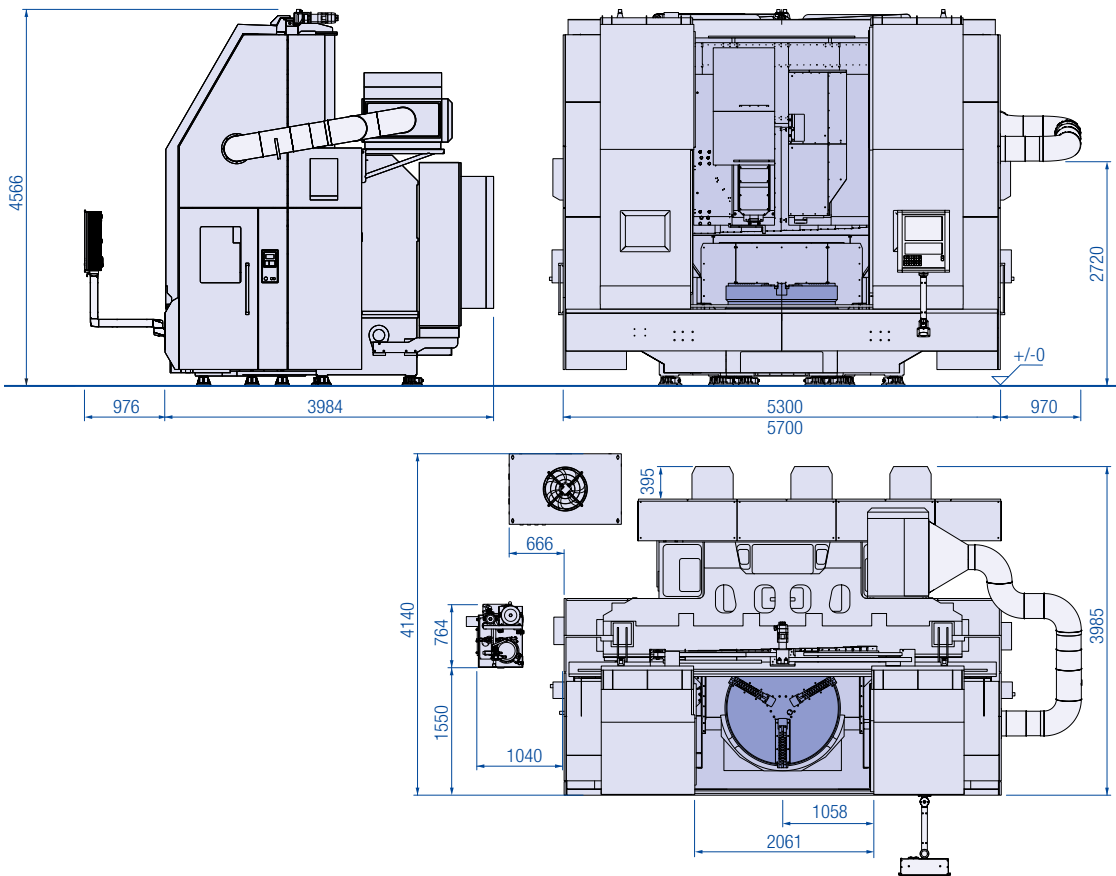
	Technical specifications		RQ	
Working range	Swing	mm	1900	
	Chuck diameter	mm	1350 / 1500 / 1600	
	Clamping diameter min./max.	mm	520 ... 1250 / 1400 / 1500	
	Clamping stroke	mm	82	
	Max. clamping force of chuck	kN	475	
	Max. work piece weight	kg	2000	
Table drive	Drive power (60 / 100 % duty cycle)	kW	120 / 106	111 / 98
	Total speed range	rpm	1 ... 400	1 ... 400
	Max.torque (60 / 100 % duty cycle)	kNm	22,9 / 20,3	9, 1 / 8,1
RH tool support	Travel range, vertical Z1 (Standard/Option)	mm	630 / 1000	
	Travel range, horizontal X1 (Standard/Option)	mm	-170 ... 1125 / 1325	
	Rapid traverse	m/min	24	
	Max. cutting force - RH	kN	30	
	Measuring system		metric	
	Linear encoder system		•	
	Tool probing		+	
	Work piece measuring		+	
	Internal coolant supply	bar; l/min	15; 30	
	HP coolant up to 120 bar without / with NC pressure control		+	
	Automatic Tool Changer ATC	Number of tool pockets right (Option)		12 / (20)
Tool system right			C 10	
Tool changing time		sec	12	
Operating unit			SIMATIC KP 400	
Control unit	SIEMENS		840 Dsl Operate	
	Operating panel		15" TFT Touchscreen / MCP 483	
	HT2 hand held unit (incl. hand wheel)		+	
	SINUMERIK Integrate for Production		+	
	ARTIS Tool Monitoring		+	
	Energy saving mode		+	
Accessories / Options	2000l coolant tank with paper band filter		+	
	Coolant mist extractor		+	
	Intgrated chip conveyor		+	
	Chip breaker		+	

• Standard // + Option



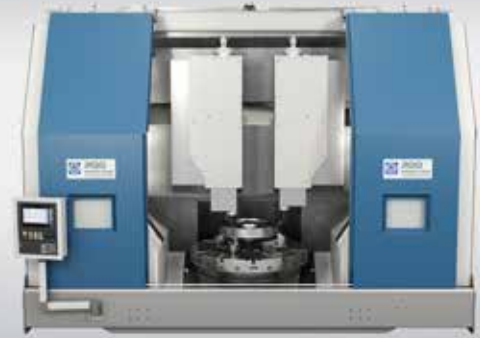
Your Benefits at a Glance

- Production machine for automatic loading
- Roughing and finishing combined in one machine
- Integrated tool and work piece probing
- Process monitoring
- Feed control based on cutting force (AC control)
- Optimized chip breaking through speed modulation (ACS)
- Low space requirements
- Cooling lubricant optional up to 120 bar for long service life of the cutting plates





RQQ WHEELTURN



	Technical specifications	RQQ
Working range	Swing	mm 1900
	Chuck diameter	mm 1350 / 1500 / 1600
	Clamping diameter min./max.	mm 520 ... 1250 / 1400 / 1500
	Clamping stroke	mm 82
	Max. clamping force of chuck	kN 475
	Max. work piece weight	kg 2000
Table drive	Drive power (60/100 % duty cycle)	kW 207 / 192
	Total speed range	rpm 1 ... 360
	Max. torque (60/100 % duty cycle)	kNm 33 / 30,5
LH and RH tool support	Travel range, vertical Z1, Z2 (Standard/Option)	mm 630 / 1000
	Travel range, horizontal X1 (Standard/Option)	mm -170 ... 1125 / 1325
	Travel range, horizontal X2 (Standard/Option)	mm -585 ... 1125 / 1325
	Rapid traverse	m/min 24
	Max. cutting force - LH	kN 30
	Max. cutting force - RH	kN 30
	Measuring system	metric
	Linear encoder system	+
	Rotary encoder system	•
	Tool probing right/left	+/+
	Work piece measuring	+
	Internal coolant supply	bar; l/min 15; 30
	HP coolant up to 120 bar without/with NC pressure control	+
Automatic Tool Changer ATC	Number of tool pockets right/left II right/left (Option)	12 / 12 II 20 / 20
	Tool system left/right (HSK holding groove)	C10 / C10
	Tool changing time	sec 12
	Operating unit	SIMATIC KP 400
Control unit	SIEMENS	840 Dsl Operate
	Operating panel	15" TFT Touchscreen / MCP 483
	HT2 hand held unit (incl. hand wheel)	+
	SINUMERIK Integrate for Production	+
	ARTIS Tool Monitoring	+
	Energy saving mode	+
Accessories / Options	2000 l coolant tank with paper band filter	+
	Coolant mist extractor	+
	Intgrated chip conveyor	+
	Chip breaker	+

• Standard // + Option