

RNC SERIES



THE RNC SERIES IS THE ENTRY INTO THE WORLD OF MONFORTS MACHINE TOOLS

High-quality, high-performance turning machine with a broad performance spectrum in universal 2- to 3-axis machining, with turning lengths from 600 mm to 1,500 mm and swing diameters over the bed from 420 mm to max. 820 mm.

The RNC series meets almost every customer requirement; various spindle assemblies and drive variants, Y-axis, hard turning package, automatic loading and unloading device, tool and workpiece measurement, tailstock and steady rest are available as options. Available with Fanuc or Siemens control.

TECHNICAL DATA

		RNC 400	RNC 500	RNC 600	RNC 700
		SingleTurn MultiTurn DuoTurn	SingleTurn MultiTurn DuoTurn	SingleTurn MultiTurn	SingleTurn MultiTurn
TURNING LENGTHS	[mm]	600	1,000	1,000	1,000/1,500
CIRCULATION DIAMETER OVER BED	[mm]	420	600	640	720 [820]
CIRCUMFERENTIAL DIAMETER VIA CROSS SLIDE	[mm]	280	425	505	550
SPINDLE HOLDER DIN 55026		A6 [A8] [A5]	A8	A8 [A11]	A11
INNER DIAMETER OF DRAWTUBE	mm	67 [86] [45]	86	86 [90]	86 [126]
DRIVE POWER (SIEMENS 100% ED)	kW	23.7 [23,7 ZF]	28 [23.7 ZF]	28 [23.7 ZF]	37 [58]
MAX. SPINDLE SPEED (SIEMENS)	min ⁻¹	4,000 [5.000]	4,000	4,000 [2.000]	4,000 [2.000]
DRIVE POWER (FANUC 100 % ED)	kW	18.5 [30 ZF]	18.5 [30 ZF]	18.5 [30 ZF]	30 [60]
MAX. SPINDLE SPEED (FANUC)	min ⁻¹	4,000 [5.000]	4,000	4,000 [2,000]	4,000 [2,000]
MAX. TORQUE (SIEMENS/FANUC)	Nm	[905]/[974]	[905]/[974]	[905]/[974]	[3,199]/[3,031]
TOOL HOLDER TURRET		12 x VDI 40	12 x VDI 40	12 x VDI 40	12 x VDI 60
NUMBER OF DRIVEN TOOLS		[12]	[12]	[12]	[12]
MAX. DRIVE POWER (SIEMENS 25% ED)	kW	[12]	[12]	[12]	[12]
MAX. DRIVE POWER (FANUC 25 % ED)	kW	[7,2]	[13,7]	[13,7]	[13,7]
MAX. SPEED (SIEMENS/FANUC)	min ⁻¹	4,000/4,000	4,000/4,000	4,000/4,000	3,200/4,000
OPTIONAL Y-AXIS	mm	± 50	± 50	-	± 60

DUOTURN VERSION (COUNTER SPINDLE)

SPINDLE HOLDER DIN 55026		A6	A6	-	-
INNER DIAMETER OF DRAWTUBE	mm	52	52	-	-
MAX. SPINDLE SPEED (SIEMENS/FANUC)	min ⁻¹	4,000/4,000	4,000/4,000	-	-
DRIVE POWER (100% / 40% ED)	kW	22/25	22/25	-	-
MAX. TORQUE (SIEMENS/FANUC)	Nm	210/239	210/239	-	-

[] = optional versions

PLUS POINTS

- Absolutely wear-free hydrostatic guide in the Z-axis
- Weight-compensated cross slide with backlash-free roller guide
- Spindle unit with concentricity of approx. 0.003 mm
- Torsion-resistant construction as an inclined bed
- Extensive range of equipment options