

Technical data of machine s/n 11 338

WALDRICH SIEGEN

Through width:		
- between the columns	mm	4150
- between the column covers	mm	4000 ✓
Max. workpiece width	mm	3050
Through height from the table to the face of the milling spindle max./min.	mm	4500/1250 ✓
Table / palette		1 ea. ✓
Working surface of table	mm	3000x5800 ✓
Working surface of palette	mm	3000x7000 ✓
Working surface of coupled tables	mm	3000x13000 ✓
T-slots longitudinal, 12 pcs.	mm	28 ✓
Tool pick-up		ISO 50 / 60
Travel table / palette	mm	14000 ✓
milling unit, cross	mm	6500 ✓
ram	mm	1000 ✓
crossrail	mm	1250-4500 ✓

Accessories:

- portal-type tool changer
- spindle units
- serving system
- approaching unit
- chip conveyor

Infeeds:

	Normal movement mm/min	Rapid movement mm/min
Table:	0 - 10000	15000 ✓
Milling unit:	0 - 10000	10000 ✓
Ram:	0 - 10000	10000 ✓
Crossrail:		0-2000 ✓

Tool changer

Link arm shelve robot with double gripper for changing in vertical and horizontal spindle unit

Tool pick-ups

Tool weight per gripper	ISO 50/60	
Tool diameter	DIN 69871	
Tool bond diameter,	max. kg	50 ✓
tangible in 5 steps from	max. mm	400
	mm	97.5 - 221

Tool magazine

- 5 stationary shelf segments with 4 rows and ea. 12 stations
- additionally 4 stations for tools with a diameter of 400 mm

Tool stations

Quantity		244 ✓
Distance from station to station	mm	165 ✓
Tool diameter upon load of each station	mm	160 ✓
Tool diameter	max. mm	360
Tool length		
- 1 st row	mm	500 ✓
- 2 nd and 3 rd row	mm	250
- 4 th row	mm	500

Tool positions for special tools

Quantity		4
Tool diameter	mm	400
Tool length	mm	200

Travel of the tool changer

X2-axis (horizontal stroke)	mm	11700
Z2-axis (vertical stroke)	mm	1550
B2-axis (rotary movement)	approx. degrees	310
C2-axis (rotary movement)	degrees +/-	180

Gripper movement

Rapid movement (V1)	mm/sec.	60
Slow movement (V2)	mm/sec.	4.5



Spindle units

Horizontal spindle unit

- Type EFK 200 SZ ✓
- immersion depth (h)
 - overhang (b)
 - swiveling
 - tool clamping

mm 800
 mm 185
 4 x 90 degrees
 automatic

Vertical spindle unit

- Type SVA 300 SZ ✓
- immersion depth (h)
 - tool clamping

mm 300
 automatic

Horizontal spindle unit

- Type WFU 350 SZ ✓
- immersion depth (h)
 - overhang (b)
 - swiveling
 - tool clamping

mm 375
 mm 300
 4 x 90 degrees
 automatic

Horizontal spindle unit

- Type SSF 40 BZ ✓
- immersion depth (h)
 - overhang (b)
 - swiveling
 - tool clamping

mm 500
 mm 450
 4 x 90 degrees
 manually

Horizontal spindle unit

- Type WFU 800 SZ ✓
- immersion depth (h)
 - overhang (b)
 - swiveling
 - tool clamping

mm 450
 mm 320
 4 x 90 degrees
 automatic

Horizontal spindle unit

- Type EFK 70 E ✓
- immersion depth (h)
 - overhang (b)
 - swiveling
 - tool clamping

mm 600
 mm 120
 4 x 90 degrees
 manually

Horizontal spindle unit

- Type EFK 150 SZ ✓
- immersion depth (h)
 - overhang (b)
 - swiveling
 - tool clamping

mm 800
 mm 225
 4 x 90 degrees
 automatic



WALDRICH SIEGEN

Universal spindle unit

Type UFUH 250 SZ ✓

- immersion depth (h)
- overhang (b)
- swiveling
- horizontal
- vertical

mm 410
mm 300

4 x 90 degrees
manually from degree to degree
and infinitely variable
manually

Vertical spindle unit

Type VL 600 SZ ✓

- immersion depth:
- tool clamping:

mm 650
automatic

