

# UNIVERSAL MILLING MACHINES

**FU 251M • FU 301**

**FU 321M • FU 361 • FU 401**



CE

# UNIVERSAL MILLING MACHINES

FU 251M • FU 301  
FU 321M • FU 361 • FU 401

TECHNICAL DATA			FU 251M	FU 301	FU 321M	FU 361	FU 401
Table size	mm		250x1120	300x1250	320x1350	360x1500	400x1600
T-slots:	- number x size x dist.	mm	3x14x50	5x14x50	5x18x63	5x18x63	5x18x80
Table swivel:	- left and right	deg	45	45	45	45	45
Longitudinal table travel:	- manual	mm	820	950	1000	1150	1250
	- automatic	mm	800	930	980	1130	1230
Cross table travel:	- manual	mm	280	320	360	360	360
	- automatic	mm	260	300	340	340	340
Vertical table travel:	- manual	mm	410	410	460	460	460
	- automatic	mm	390	390	440	440	440
Distance from table top to spindle axis	- min	mm	30	30	30	30	30
	- max	mm	440	440	490	490	490
Spindle nose taper	ISO		40	40	50	50	50
Number of spindle speeds	-		18	18	18	18	18
Spindle speed range:	- normal	rpm	40...2000	40...2000	32...1600	32...1600	32...1600
	- option	rpm	50...2500	50...2500	40...2000	40...2000	40...2000
Number of table feeds	-		stepless	stepless	stepless	stepless	stepless
Table feed rate:	- normal x, y / z	mm/min	10...1000/4...415	10...1000/4...415	10...1000/4...415	10...1000/4...415	10...1000/4...415
Table rapid traverse:	- x, y / z	mm/min	2500 / 1040	2500 / 1040	2500 / 1040	2500 / 1040	2500 / 1040
Main motor power		kW	4	5,5	7,5	7,5	7,5
Feed motor power		kW	2,2	2,2	2,2	2,2	2,2
Machine weight, approx.		kg	1910	1960	2780	2830	2860

## STANDARD FEATURES

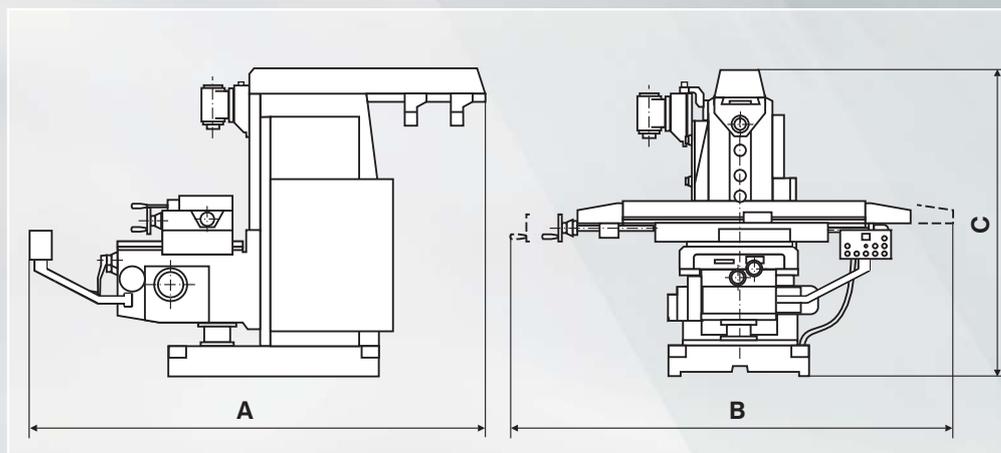
- Stepless regulation of the feeding
- Cooling system
- Working lighting
- Machine maintenance tool kit
- Automatic lubrication

## ACCESSORIES

- Universal milling head
- Vertical milling head
- Rotary index table
- Universal index device
- Slotting head
- Arbors
- Horizontal swivel vice
- Collet chuck with a collet set
- Clamping kit
- Safety guard

## OPTIONS

- Digital readout system
- Panel control of feeding towards three axes
- Digital readout of feeds for X and Y axes
- Automatic cycle for longitudinal movement
- Protection of Y axis
- Mechanism for longitudinal screw travel without backlash



Size	FU 251M	FU 301	
A	2900	2900	
B	2610	2870	
C	1650	1650	
Size	FU 321M	FU 361	FU 401
A	3160	3160	3160
B	3090	3390	3590
C	1780	1780	1780