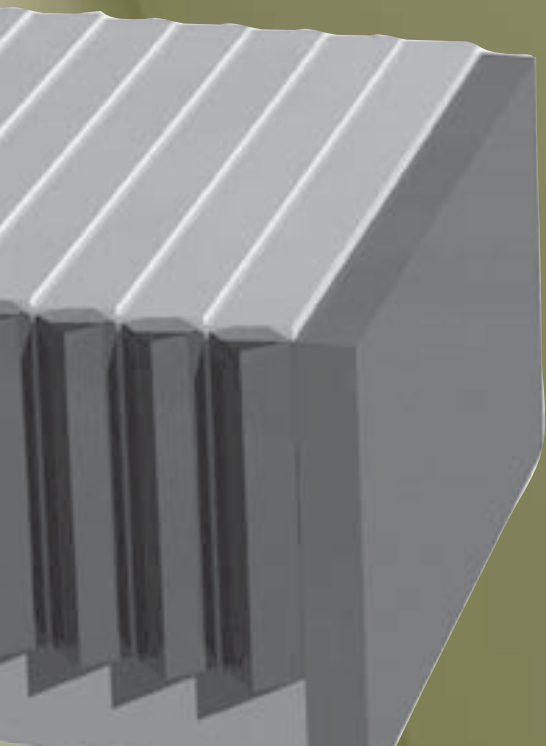


**EUROMA<sup>®</sup>**

*MILLING UNITS*



The electro-hydraulic milling unit U.F40 consists in a hydraulic slide, fitted with ball guides carrying an ISO 40 cast iron body spindle head in vertical position.

In its standard version, the unit's configuration is: U.F40 = F.40 (spindle assembly only - page 94) + S.TI.200 (page 108) + vertically adjustable on its support bracket.

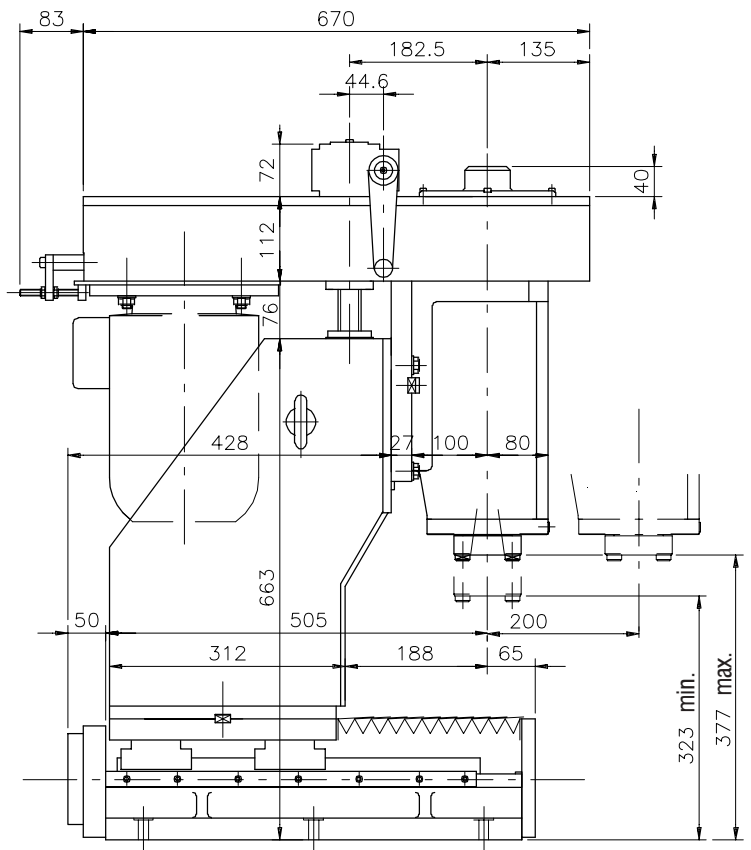
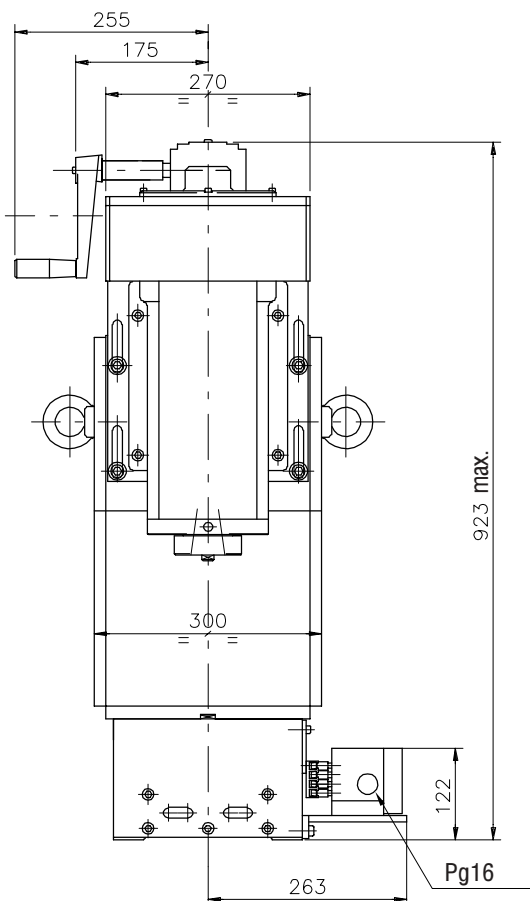
The technical features of the unit (working stroke spindle output-ball screw slide version) can be modified on request.

The spindle head can be set in line or side ways. The spindle head has a fine adjustable vertical stroke for tool setting of 50mm (1.97").

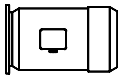
The head spindle is fitted with adjustable taper roller bearings.

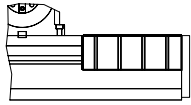
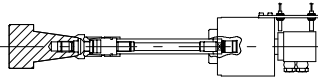
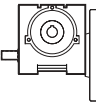
The hydraulic slide is complete with a set of 4 switches and adjustable cams. The switch unit is sealed and is usually fitted on the right hand side of the slide.

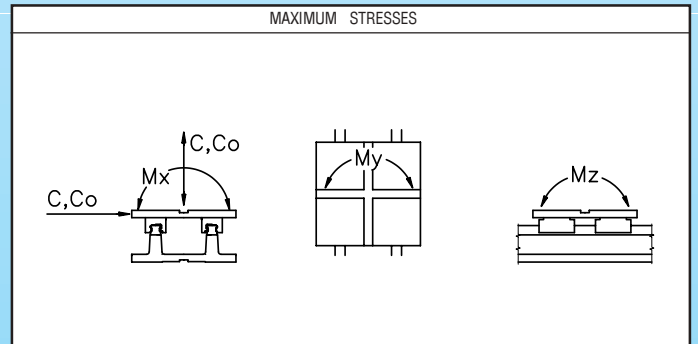
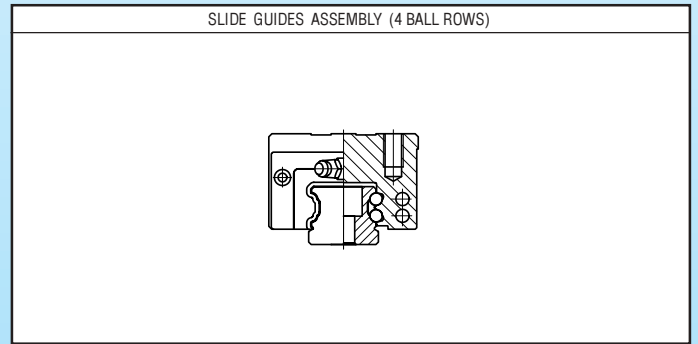
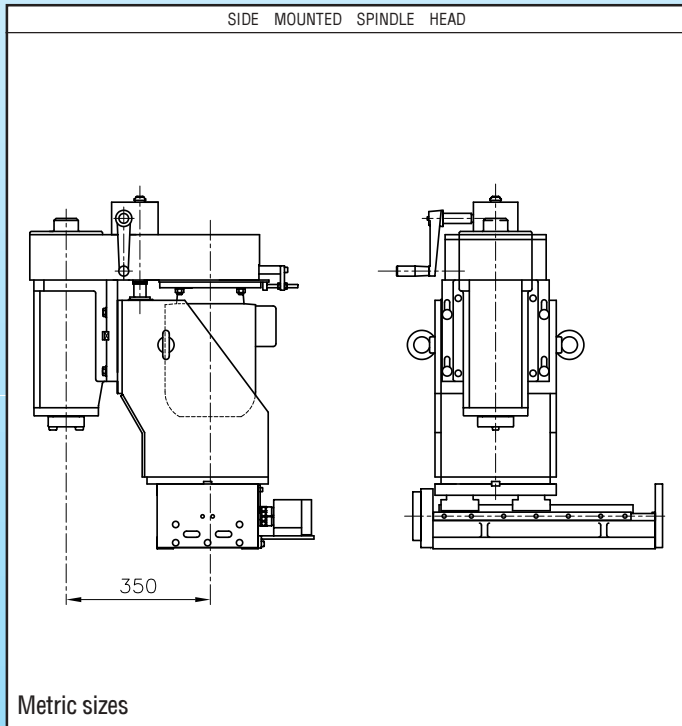
Spindle speeds lower than 600 R.P.M. (at 50 Hz) are obtained by fitting a reduction gear box "R".

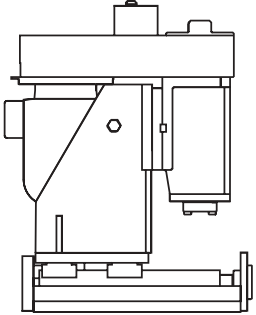


Metric sizes

MILLING UNIT				SPEED	
TYPE	CODE			50 Hz	60 Hz
U.F40.600.RC	10112706	■		600	720
U.F40.1000.RC	10112708	■		1000	1200
U.F40.1450.RC	10112710	■		1450	1750
U.F40.2000.RC	10112712	■		2000	2400
U.F40.2800.RC	10112714	●		2800	3360
U.FR40.120.RC	10112700	■		120	145
U.FR40.290.RC	10112702	■		290	350
U.FR40.400.RC	10112704	■		400	480
	KW. 3	2P	100 FRAME	●	STANDARD
	KW. 2.2	4P	100 FRAME	■	STANDARD
	KW. 4	2P	112 FRAME	●	OPTIONAL
	KW. 4	4P	112 FRAME	■	OPTIONAL

ACCESSORIES			
MACHINE	SLIDEWAY COVER	STROKE	CODE
SLIDE S.TI.200		200 mm (7.87")	28050044
HYDRAULIC TOOL LOCKING		TYPE	CODE
SPINDLE HEAD F.40			Please consult engineering office
REDUCTION GEAR BOX		TYPE	CODE
SPINDLE HEAD F.40		R	Please consult engineering office
SPINDLE HEAD F.40	PLEASE NOTE THE RANGE OF ACCESSORIES OF THE SPINDLE HEAD F.40 ON PAGE 95		



	TECHNICAL FEATURES											
	TOTAL STROKE	THRUST 50 bar (725 P.S.I.)	N (lbs) MAX AXIAL LOAD	CYLINDER SECT AREA cm <sup>2</sup> (inch <sup>2</sup> )		WEIGHT KG (lbs)	STANDARD COLOUR RAL	LOAD CAPACITY		STATIC MOMENT		
				Advance	Retract			KN (lbs)		Mx Nm (ft.lb)	My Nm (ft.lb)	Mz Nm (ft.lb)
								G dynamic	Co static			
U.F40	200 (7.87")	15500 (3418)	20000 (4410)	31.17 (4.82")	21.13 (3.28")	230 (507)	7035	122 (26901)	256 (56448)	4400 (3245)	4900 (3614)	5400 (3982)

The electro-hydraulic milling unit U.F50 consists in a hydraulic slide, fitted with ball guides carrying an ISO 50 cast iron body spindle head in vertical position.

In its standard version, the units configuration is: U.F50 = F.50 (spindle assembly only - page 97) + S.TI.300 (page 108) + vertically adjustable on its support bracket.

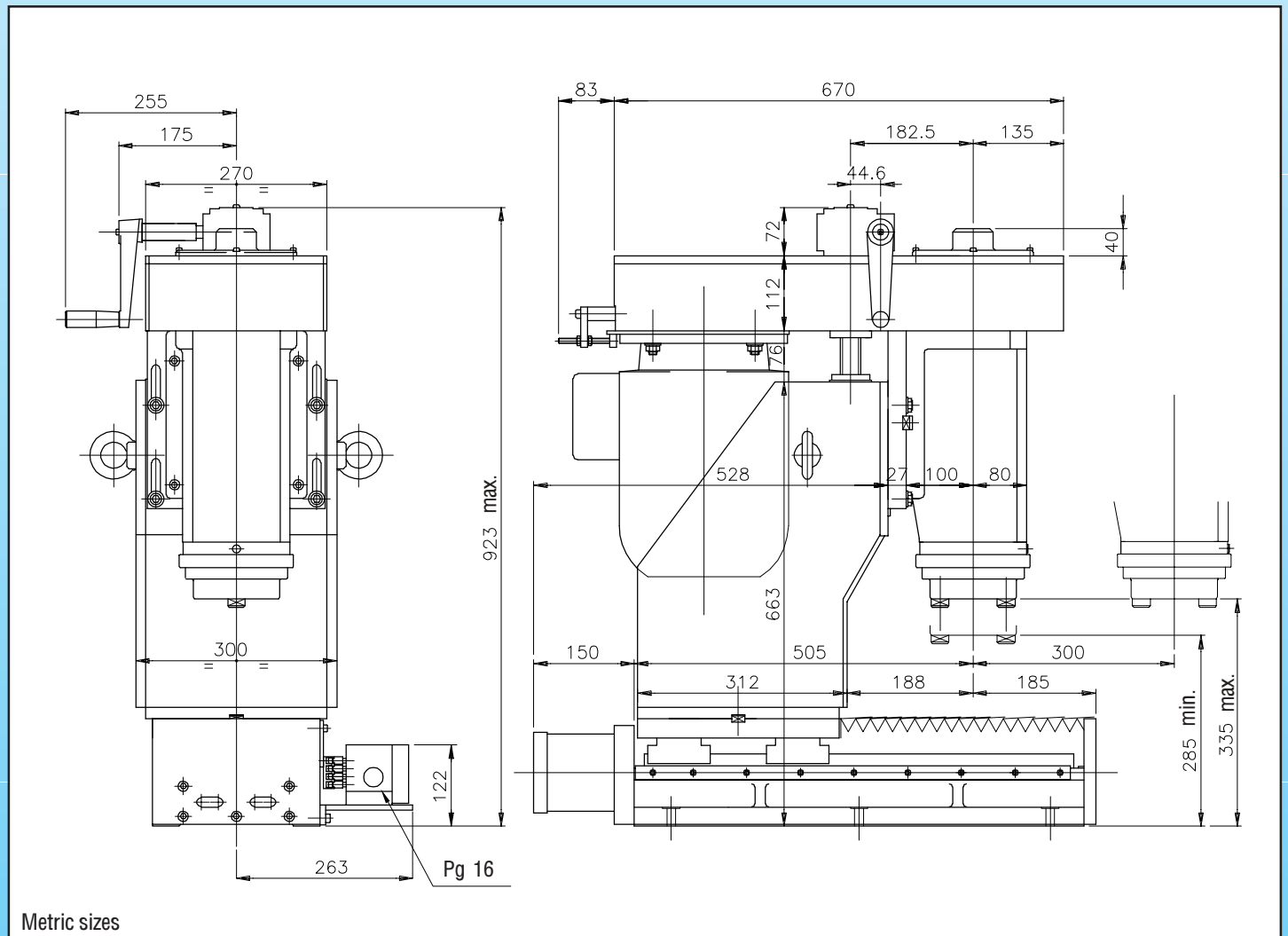
The technical features of the unit (working stroke spindle output-ball screw slide version) can be modified on request.

The spindle head can be set in line or side ways. The spindle head has a fine adjustable vertical stroke for tool setting of 50mm (1.97").

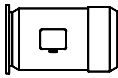
The head spindle is fitted with pre-loaded taper roller bearings.

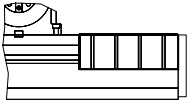

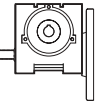
The hydraulic slide is complete with a set of 4 switches and adjustable cams. The switch unit is sealed and is usually fitted on the right hand side of the slide.

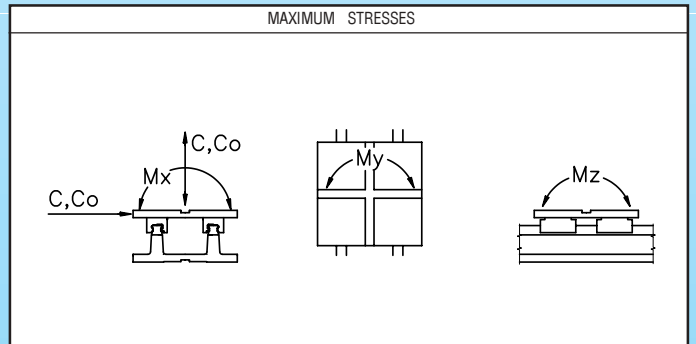
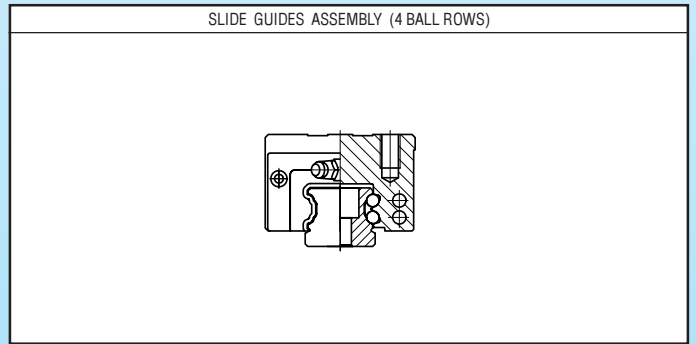
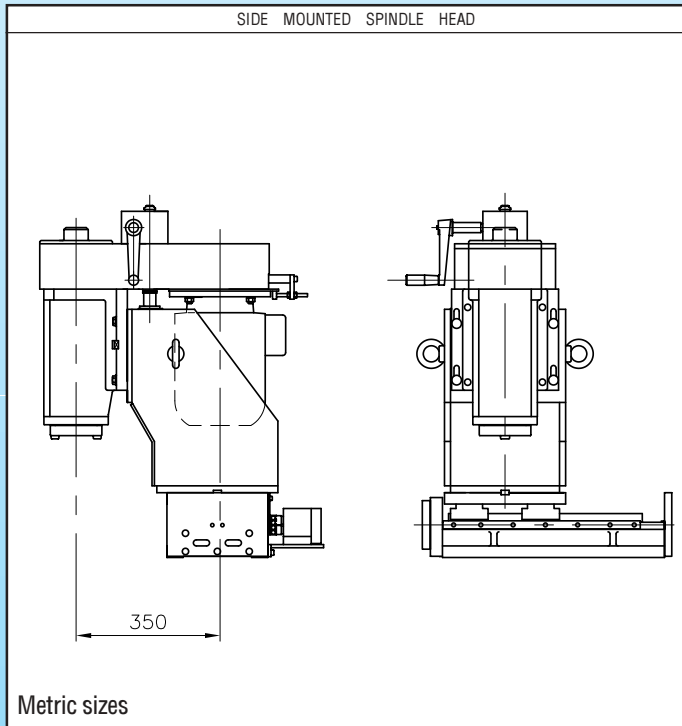
Spindle speeds below 600 R.P.M. (at 50 Hz) are obtained by fitting a reduction gear box "R".

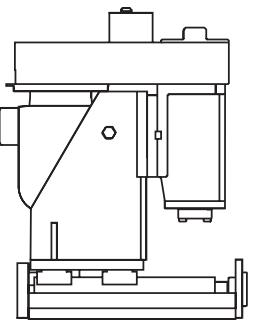


Metric sizes

MILLING UNIT				SPEED	
TYPE	CODE			50 Hz	60 Hz
U.F50.600.RC	10112756	■	600	720	
U.F50.1000.RC	10112758	■	1000	1200	
U.F50.1450.RC	10112760	■	1450	1750	
U.F50.2000.RC	10112762	■	2000	2400	
U.F50.2800.RC	10112764	●	2800	3360	
U.FR50.120.RC	10112750	■	120	145	
U.FR50.290.RC	10112752	■	290	350	
U.FR50.400.RC	10112754	■	400	480	
	KW. 5.5	2P	132 FRAME	●	STANDARD
	KW. 5.5	4P	132 FRAME	■	STANDARD
	KW. 7.5	2P	132 FRAME	●	OPTIONAL
	KW. 7.5	4P	132 FRAME	■	OPTIONAL

ACCESSORIES			
MACHINE	SLIDEWAY COVER	STROKE	CODE
SLIDE S.TI.300		300 mm (11.81")	28050046
HYDRAULIC TOOL LOCKING		TYPE	CODE
SPINDLE HEAD F.50			Please consult engineering office
WORM/WHEEL REDUCTION GEAR BOX		TYPE	CODE
SPINDLE HEAD F.50		R	Please consult engineering office
SPINDLE HEAD F.50	PLEASE NOTE THE RANGE OF ACCESSORIES OF THE SPINDLE HEAD F.50 ON PAGE 35		



	TECHNICAL FEATURES											
	TOTAL STROKE	THRUST 50 bar (725 P.S.I.)	N (lbs) MAX AXIAL LOAD	CYLINDER SECT AREA cm <sup>2</sup> (inch <sup>2</sup> )		KG (lbs) WEIGHT	STANDARD COLOUR RAL	LOAD CAPACITY		STATIC MOMENT		
				Advance	Retract			KN (lbs)		Mx Nm (ft.lb)	My Nm (ft.lb)	Mz Nm (ft.lb)
								G dynamic	Co static			
U.F50	300 (11.81")	15500 (3418)	20000 (4410)	31.17 (4.82")	21.13 (3.28")	250 (553)	7035	122 (26931)	256 (56512)	4400 (3245)	4900 (3614)	5400 (3982)

### F.40 + S.TV. 401 + S.LV.50

Two controlled axis (Z-Y) ISO 40 milling assembly

Z stroke = 50 mm (1.97")

Y stroke = 400 mm (15.75")

Spindle head power = 5,5 Kw

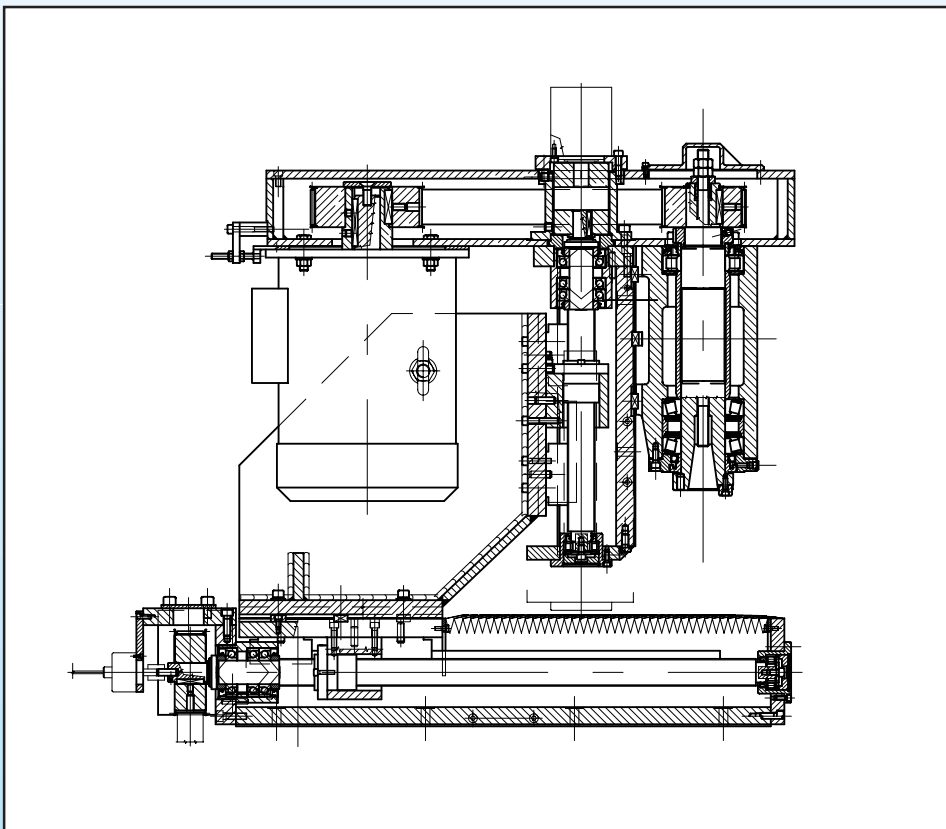
Drive = 40 mm dia x 5 (1.58" dia x .20") ball screw

Linear pads = 4 ball screw

Dedicated motor plates

Pads lubrication = centralized on axis Z and Y

Multi-switch packs on Z-Y



### UF.50 + S.TV.301

ISO 50 milling assembly with hydraulic tool locking - Y axis lock and automatic lubrication

Y stroke = 300 mm (11.81")

Spindle head power = 7,5 Kw

Drive = 40 mm dia x 5 (1.58" dia x .20") ball screw

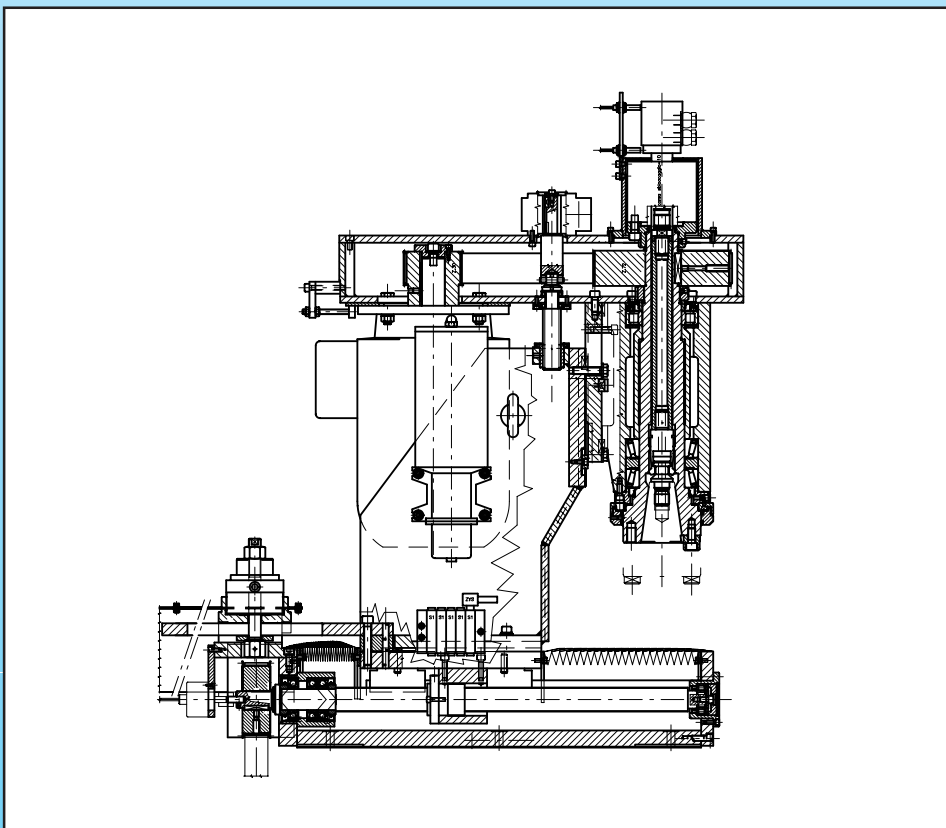
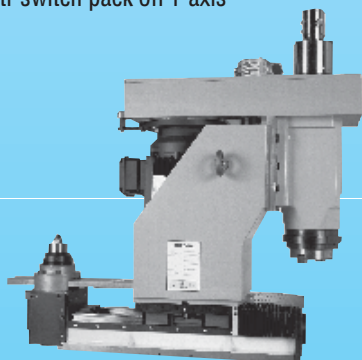
Linear pads = 4 ball rows

Spindle centres = 200 mm (7.87")

Y axis dedicated motor plate

Pads lubrication = centralized on Y axis

Multi-switch pack on Y axis



### F.50 + S.TI. 200

Low speed ISO 50 milling assembly

Y stroke = 200 mm (7.87")

Spindle head power = 5,5 Kw

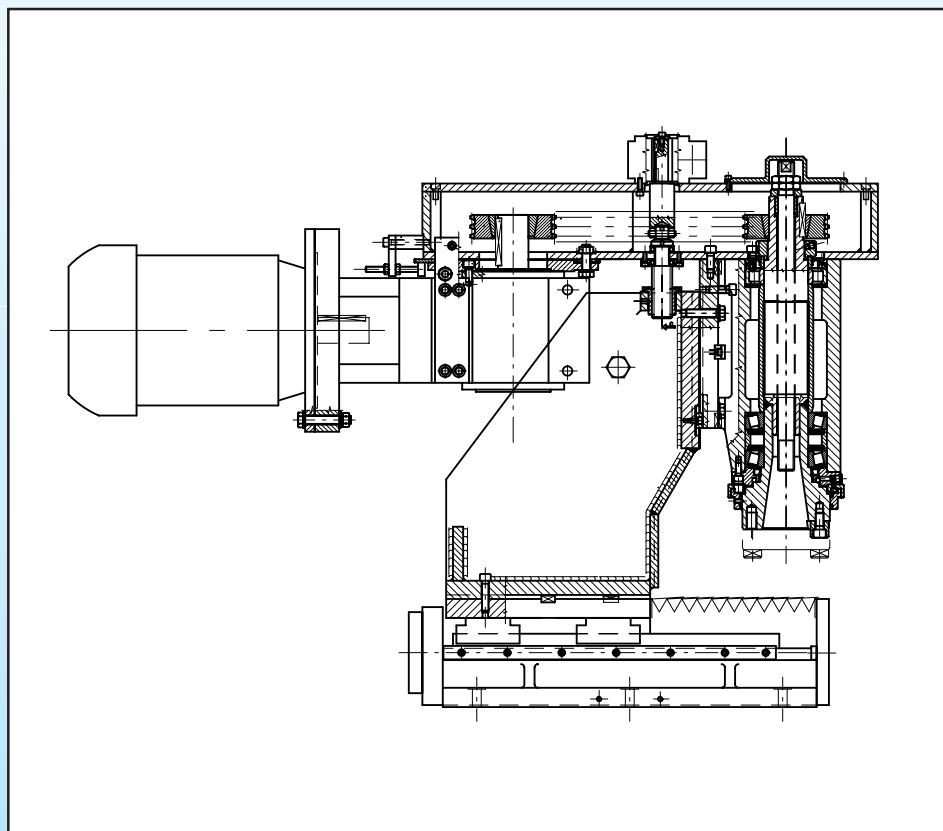
Feed = 40 mm dia x 5 (1.58" dia x .20") ball screw

Linear pads = 4 ball rows

Y axis dedicated motor plate

Y axis lubrication = centralized

Multi-switch pack



### UF.50 + S.TV.301

ISO 50 milling assembly with Y axis lock

Y stroke = 300 mm (11.81")

Spindle head power = 7,5 kW

Feed = 40 mm dia x 5 (1.58" dia x .20") ball screw

Linear pads = 4 ball rows

Pads lubrication = centralized

Multi-switch pack

