

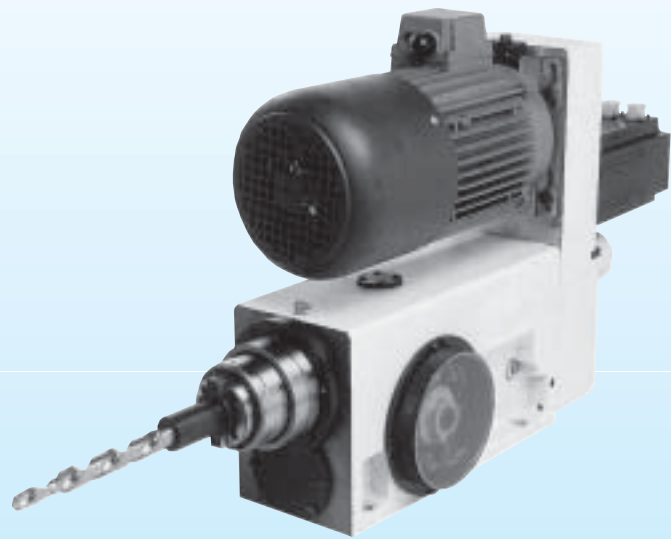
The F.CN.24.120 programmable unit is particularly suitable for: drilling, tapping in the standard version, use of a compensated tapping chuck is recommended), milling, reaming and spot-facing. The unit can operate in any position and can be rigidly and accurately mounted by reference to its mounting face and positioning keyway.

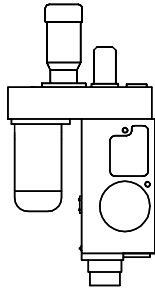
The level of protection is IP55.

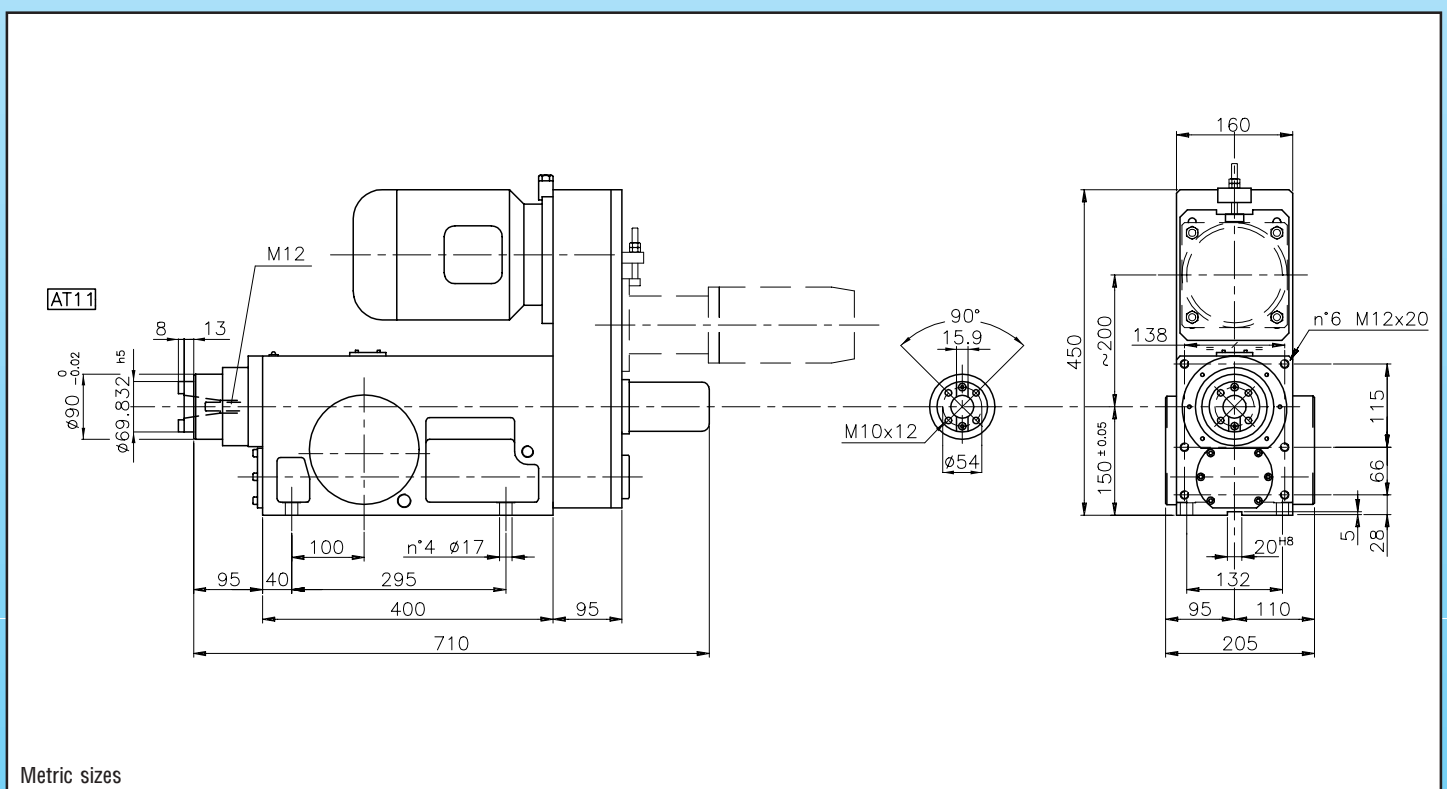
In its standard version, the unit features:


- Tool holding: ISO 30 TAPER = AT11
- Three phases, asynchronous spindle drive motor and toothed belt drive (for speed and power, see basic unit chart).
- Quill feed is via a precision rolled 25x5 mm pitch ball screw/nut, pre-loaded to zero backlash.
- One-to-one ratio toothed belt drive and provision for encoder fitted geared motor (not supplied) to be agreed with our engineering office.
- Safety front and rear end switches and "0" point switch included.

In the standard version the spindle motor speed must be regulated by a frequency variator, whilst the feed geared motor requires a drive and programming unit to control the quill feed ball screw. Please note the range of available accessories next page.



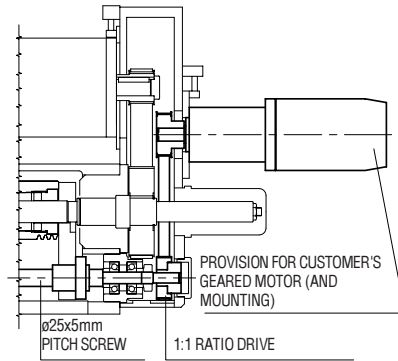
	TECHNICAL DATA									
	TOTAL STROKE mm (inch.)	DRILLING CAPACITY mm (inch.)		TAPPING CAPACITY mm (inch.)		THRUST N (lbs) for ~6 Nm torque on ball screw	WEIGHT Kg (lbs)	STANDARD COLOR RAL	ELECTRIC PORTS PG (NPT)	SPINDLE RUNOUT mm (INCH.)
F.CN24.120	120 (4.72")	MILD STEEL	ALUMINIUM R=40 BRASS R=50	M27 (1.1/8")	M39 (1.1/2")	7000 (1566)	88 (194)	7035	PG11 (1/2")	0.02 (.0008")



BASIC UNIT		SPEED	
MODEL	CODE	50Hz	60Hz
FCN24.120AT11.1000	10125010	■ 1000	1200
SPINDLE MOTOR FEATURES			
■ KW 3 - 4P - 100 FRAME			
<p>Special spindle motors can be mounted on request such as: double polarity, brake, provision for brushless motors. Please consult Euroma engineering office.</p>			

NECESSARY COMPONENTS

PROVISION FOR FEED MOTOR MOUNTING






PROVISION FOR CUSTOMER'S GEARED MOTOR (AND MOUNTING)

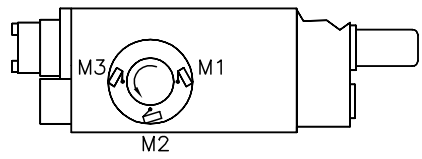
$\phi 25 \times 5 \text{mm}$
 PITCH SCREW 1:1 RATIO DRIVE

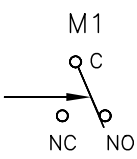
Please note:
 A ~7000 N feed thrust can be achieved by driving the 25x5 mm screw a ~6 Nm torque.
 Please consult Euroma engineering office.

ACCESSORIES

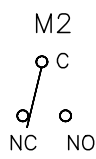
MULTI-SPINDLE HEAD	TYPE
	V Pag. 118
RIGHT ANGLE HEAD	TYPE
	FT90.24 Please consult engineering office
REDUCTION GEAR	TYPE
	R 24 please consult engineering office

ELECTRIC CONTROLS

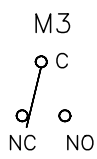




M1
C
NC NO



M2
C
NC NO



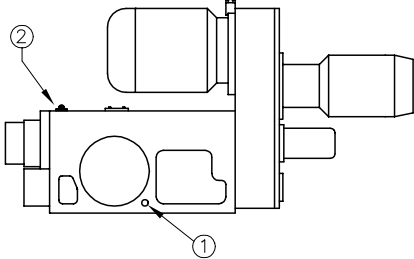
M3
C
NC NO

M1 - Rear micro-switch

M2 - Position "0" micro switch

M3 - Front micro-switch

ELECTRO-PNEUM./HYDR. PORTS



- 1) Electric port 1/2" NPT
- 2) Grease nipple

MICRO.SWITCHES HOUSING

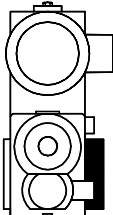


FIG. 1
Right hand side housing.

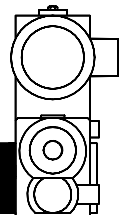
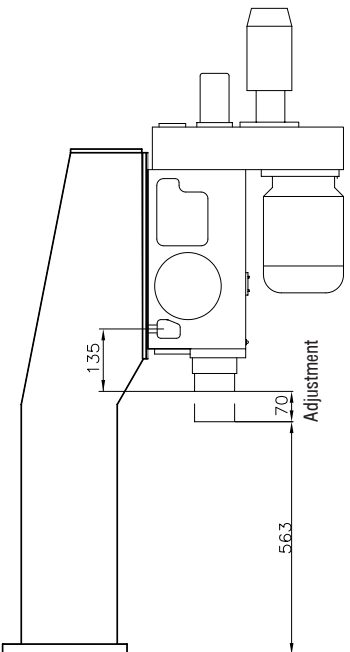


FIG. 2
Left hand side housing.

SUPPORT E.KE120 (PAG.145)



1.35
70
Adjustment
56.3