

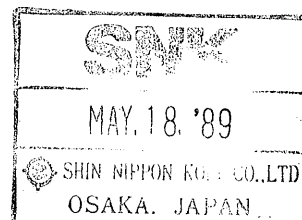
Messrs. ARALUCE, S.A.

MODEL HF-5-NC-PK COPY MILLING MACHINE

INSTRUCTION MANUAL

SHIN NIPPON KOKI CO., LTD.

OSAKA, JAPAN



1. MAIN SPECIFICATION

Capacity

Distance between columns	3,000 mm
Effective distance between columns	2,850 mm
Distance from table top to spindle end	2,000 mm Max.
Table size (Width x Length)	2,500 x 4,300 mm
Table working surface (Width x Length)	2,500 x 4,000 mm
Load capacity : main table	20,000 kg

Travels

Table longitudinal (X-axis)	4,000 mm
Spindlehead transverse (Yc-axis)	2,750 mm
Crossrail vertical (Z-axis)	1,500 mm
Quill vertical (W-axis)	650 mm

Feedrates

Rapid feed	(X & Yc & Yt)	7,200 mm/min
	(Z & W)	3,000 mm/min

Cutting feed

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Fine feed (By manual pulse generator) 0.1, 0.01, 0.001 mm/pulse

(Note: Copying feed rate is restricted by shape of workpiece)

Manual adjustment:

Vertical movement	450 mm
Longitudinal movement	100 mm

Spindlehead :

Diam. of spindle/quill	140/250 mm
Spindle nose taper	JIS B6101 No.50
Speed range (S-4 digit direct command)	40 to 2,000 rpm

motor

Spindle drive motor	VAC 22 kw
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Feed motor

Table longitudinal (X-axis)	DC servo motor M30MH
Spindlehead transverse (Yc-axis)	DC servo motor M30M
Crossrail vertical (Z-axis)	DC servo motor M30MH
Quill vertical (W-axis)	DC servo motor M30M
Tracer head transverse (Yt-axis)	DC servo motor M5M

Numerical Control device

FANUC CTC SYSTEM II