SNK

TECHNOLOGICAL INNOVATION

Model HF-M Series Offers The Ultimate In Five-Face Machining Technology.

HF-

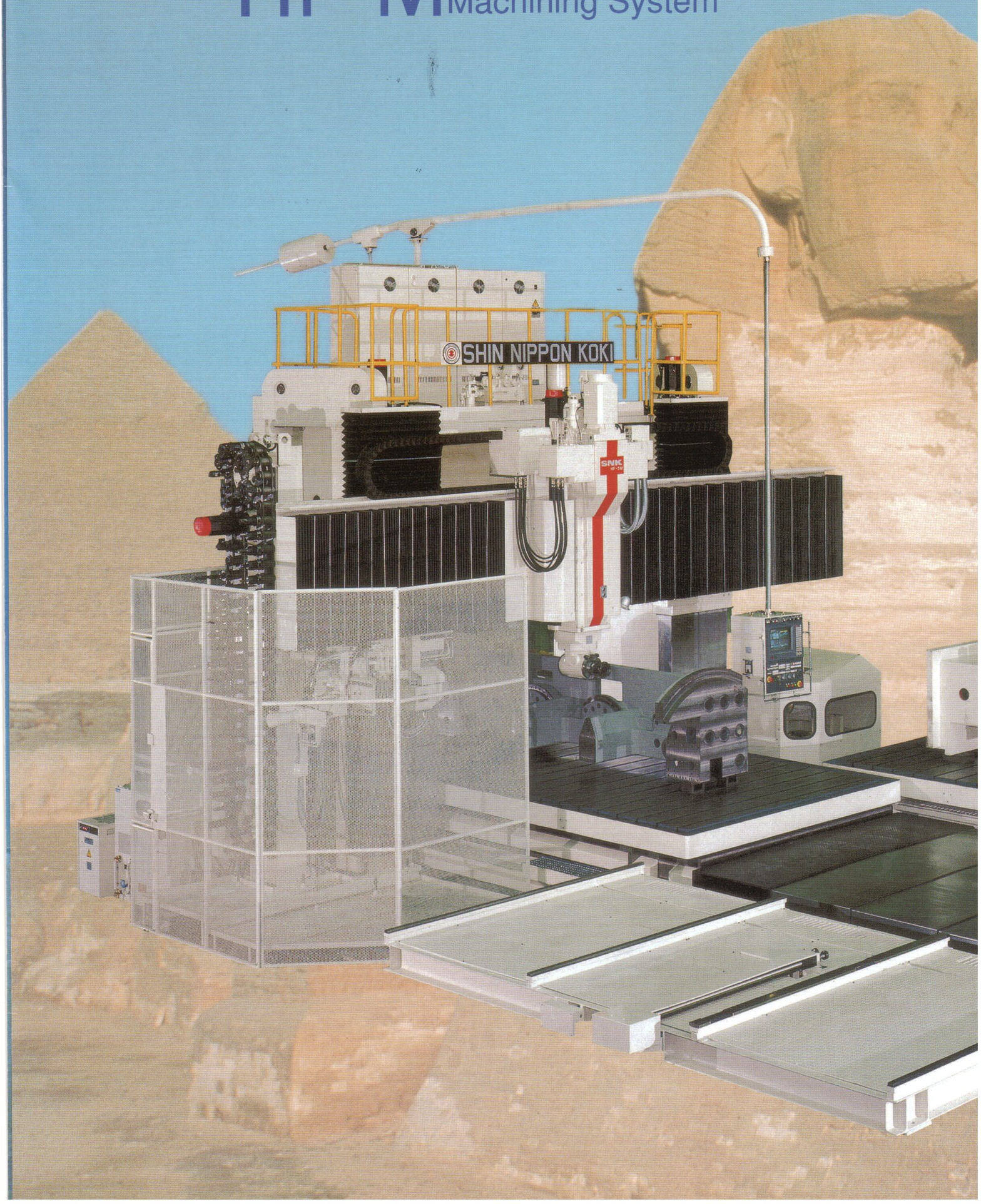
The Model HF-M Series is the ultimate in five-sided machining systems. It boasts an outstanding performance both in speed and accuracy, producing flawless products.

SNK, known as the pioneer in machining technology. is unsurpassed in reliability. The Model HF-M Series, designed in anticipation of the needs of the future, will be a "core" machine in your production shop.

-M

The solutions to Innovate your business
and boost your profits !!!

HF-M Five-Face Precision Machining System



Features for high productivity

- Spindle drive motor: VAC 26/22kW (Option:37/30kW,45/37kW)
- Spindle speed: 30 to 3,000min^{-1}
- Rapid feed (X & Y): 20m/min.
- ATC time (tool to tool): 8 seconds

Functions for high precision

- Y-axis accuracy sustained by dual servo control for W-axis
- Fully automayed lubrication with temperature-controlled oil to minimize thermal displacement for:
  - Spindle oil jacket system
  - Drive gear box
  - X, Y, Z & W-axes slideways
  - Each axis feed gear box
  - Each axis feed ball screw, nuts, and brackets

Extra-large machining range

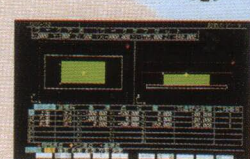
- CNC-controlled vertical movement of crossrail (W-axis)
- X-axis travel = table length + 1,250mm (Option)
- Y-axis travel = table width + 1,200mm

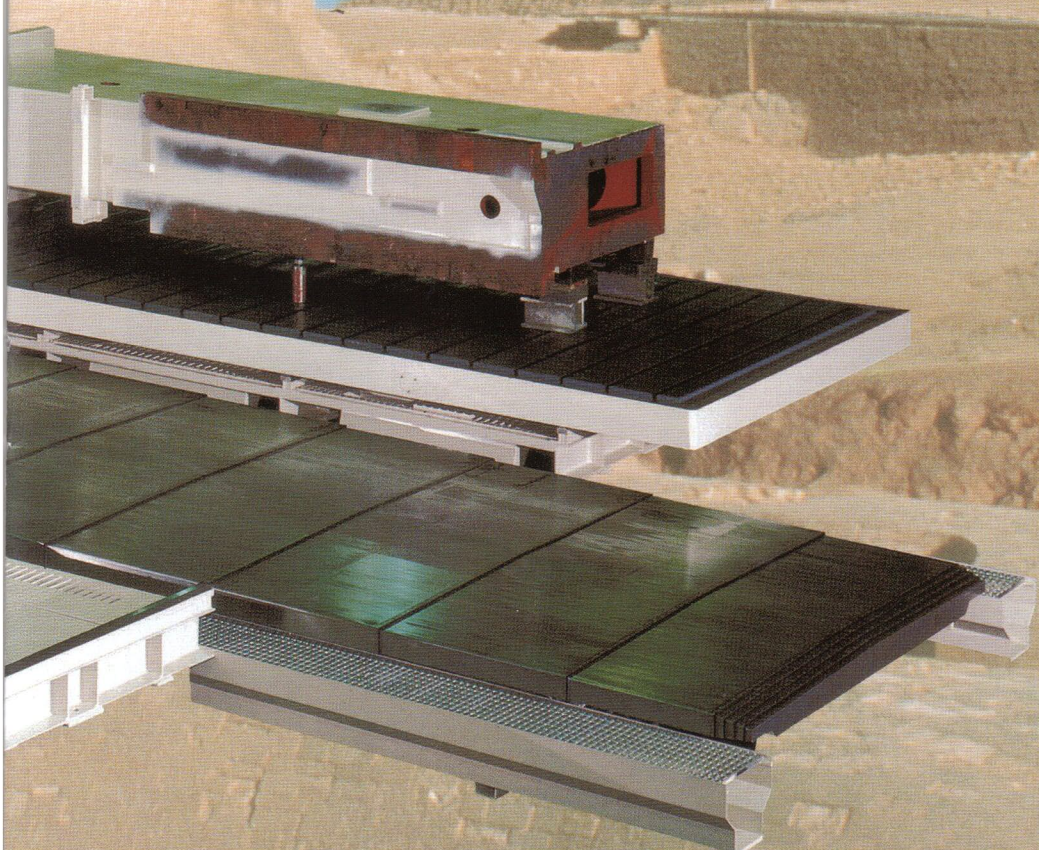
Wide variation of attachments

Most suitable attachments can be selected out of the abundant attachment-data bank (500 types of attachments).

Conversational type automatic programming system (Option)

- Extremely easy operation to facilitate programming for five-face machining system.
  S-APT-P2 FIVE
  (5-face machining software)





FMS

HF-M Multi-Centers
Most reliable machine series best suited for
FMS applications

(SNK's accomplishment in machining spindleheads for various machine tools.)

Productivity can be boosted despite a reduction in machine quantity

	Operation time (per machine)	Chip production ratio	Real chip production time (per machine)	Productivity
Manual machine	220 hrs./month	18%	40 hrs./month	1
	1.7 times	1.9 times		
Bridge type NC machine	380 hrs./month	35%	133 hrs./month	3.3
	1.5 times	2.0 times		
HF-M Multi-Center	600 hrs./month	70%	420 hrs./month	10.0

Productivity per machine : 10 times

Machining time decreased to 1/2 to 1/4
Machining lead time reduced to 1/10 to 1/20

Machining time	Lead time	Setup changes
58 hrs.	45 days	9 times
33 hrs.	3 days	3 times
Approx. 1/2	1/15	1/3