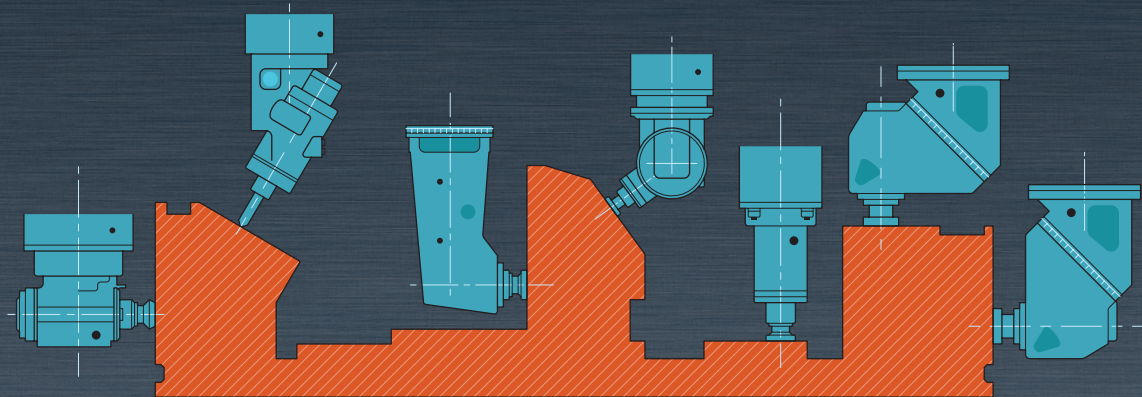


Excellent, Confident, Intellect, Service
Technological Cooperation with Japan

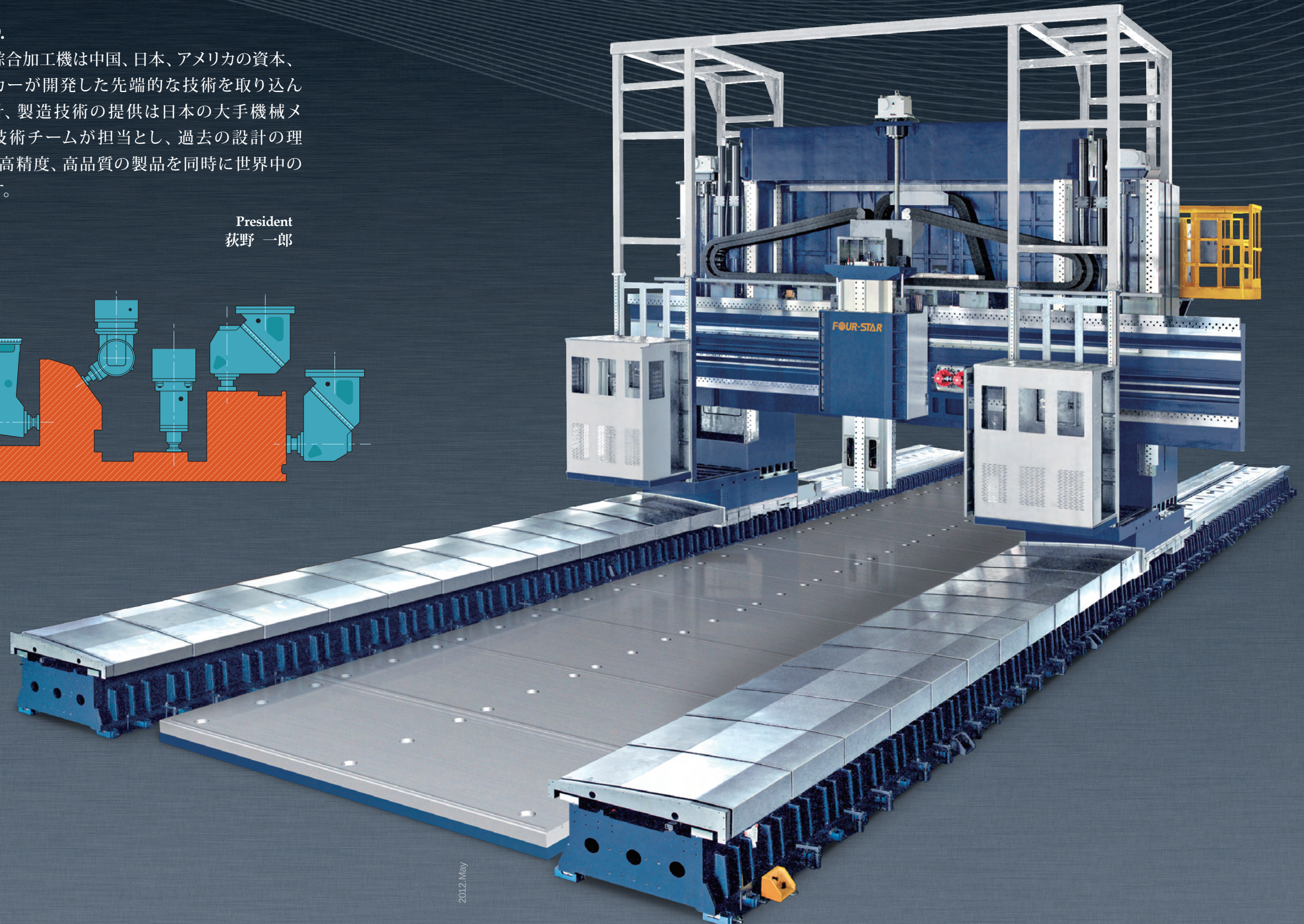
JAPAN AMT CO.,LTD.

AMT CO.,LTD. ガントリー総合加工機は中国、日本、アメリカの資本、技術を集める機械メーカーが開発した先端的な技術を取り込んだ機械です。機械の設計、製造技術の提供は日本の大手機械メーカーにて数十年勤めた技術チームが担当とし、過去の設計の理念に基づいて、究極的な高精度、高品質の製品を同時に世界中のお客様に提供いたします。

President
荻野 一郎



CNC SLIDING DOUBLE COLUMNS MACHINING CENTER



SD series

Sliding Double Columns Machining Center

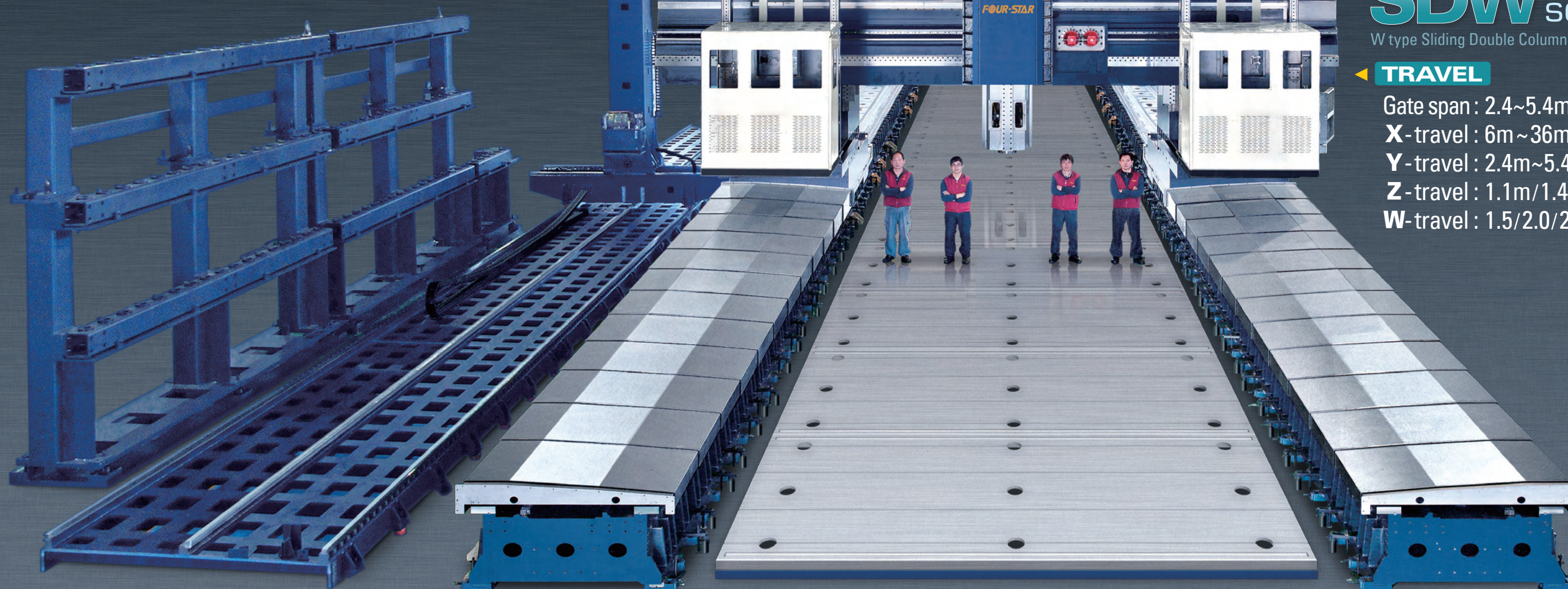
TRAVEL ▶

Gate span : 2.4~5.4m

X-travel : 6m~36m + AHC

Y-travel : 2.4~5.4m + ATC

Z-travel : 1.1m/1.4m



HRP series

High Rapid Precision Machining Center

TRAVEL ▶

Gate span : 1.3m

X-travel : 2m~order made

Y-travel : 1.3m + ATC + AAC

Z-travel : 800mm



SDW series

W type Sliding Double Columns Machining Center

◀ TRAVEL

Gate span : 2.4~5.4m

X-travel : 6m~36m + AHC

Y-travel : 2.4m~5.4m + ATC

Z-travel : 1.1m/1.4m

W-travel : 1.5/2.0/2.5m

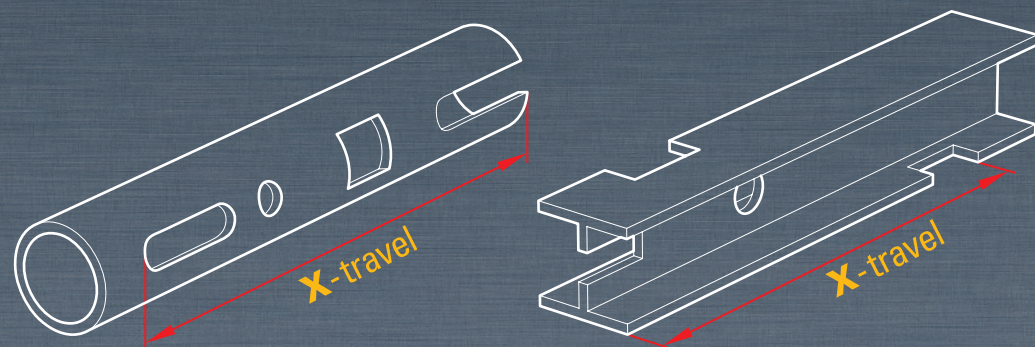
HRP-type High Rapid Precision Machining Center

▼ Gate one piece casting



▲ Single Gate model

◀ Table and Base one piece casting



▲ Long size complex precision machining

TRAVEL

Gate span : 1.3m

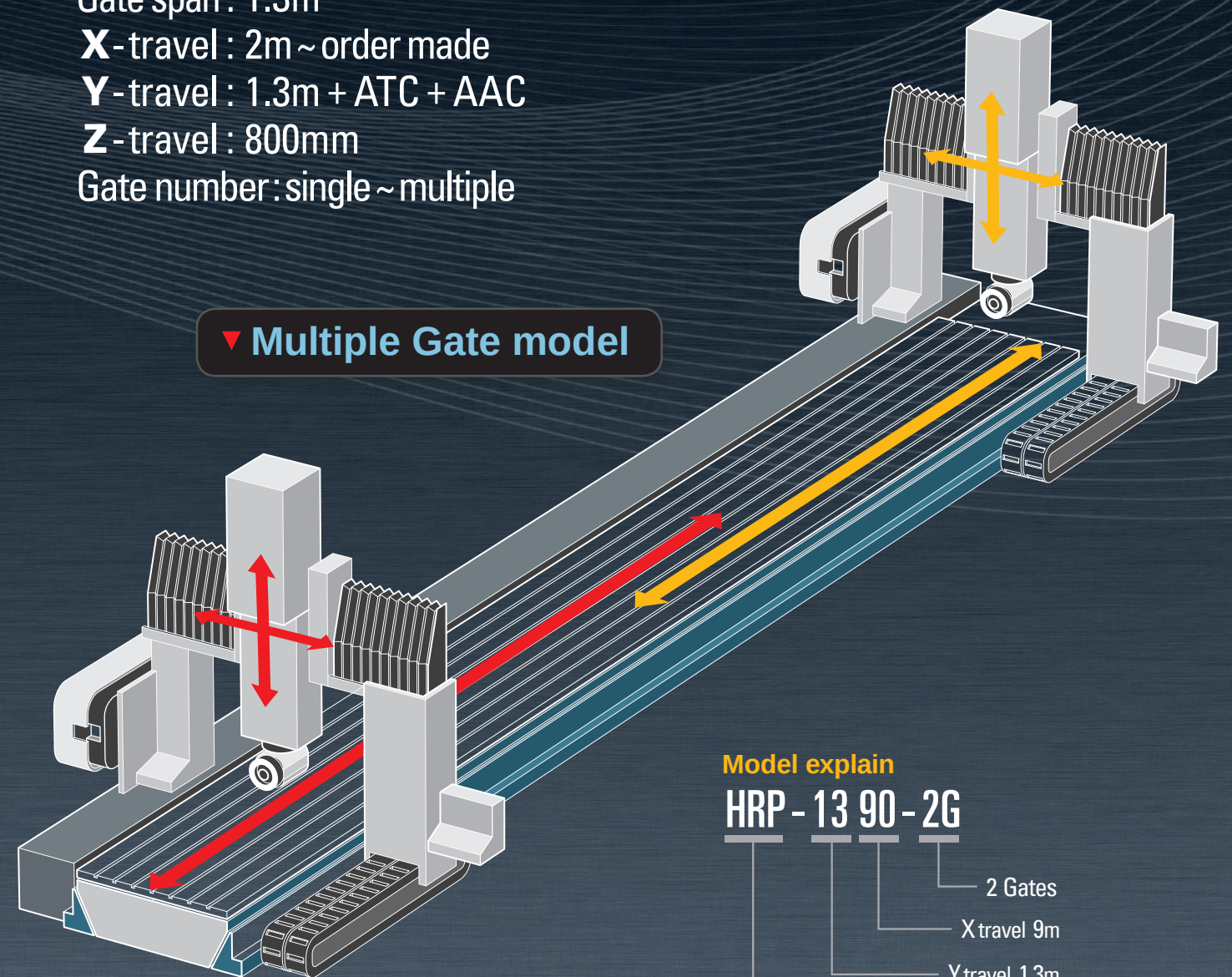
X-travel : 2m ~ order made

Y-travel : 1.3m + ATC + AAC

Z-travel : 800mm

Gate number: single ~ multiple

▼ Multiple Gate model



Model explain

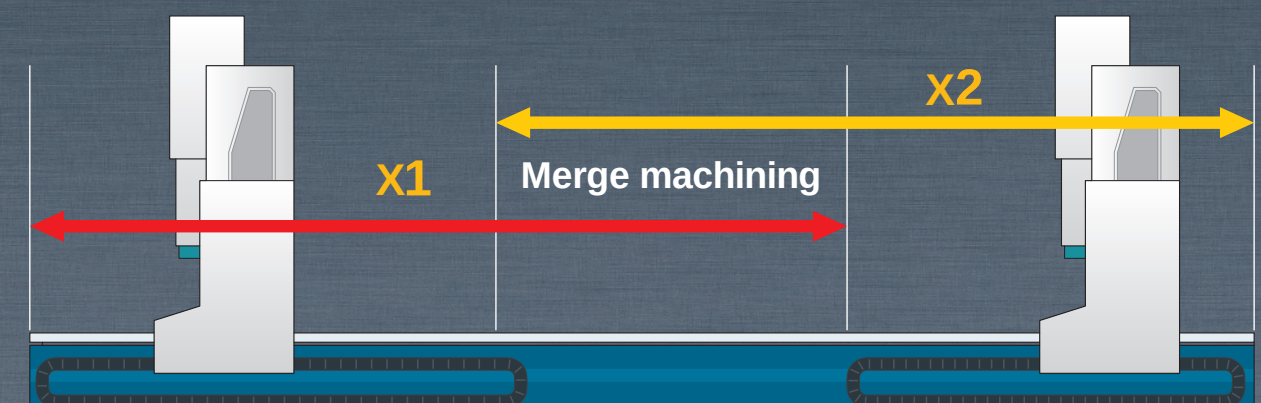
HRP - 13 90 - 2G

2 Gates

X travel 9m

Y travel 1.3m

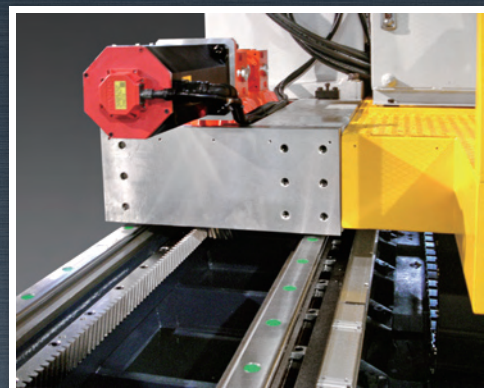
High Rapid Precision



SD-type Sliding Double Columns Machining Center



A Mobile ATC system



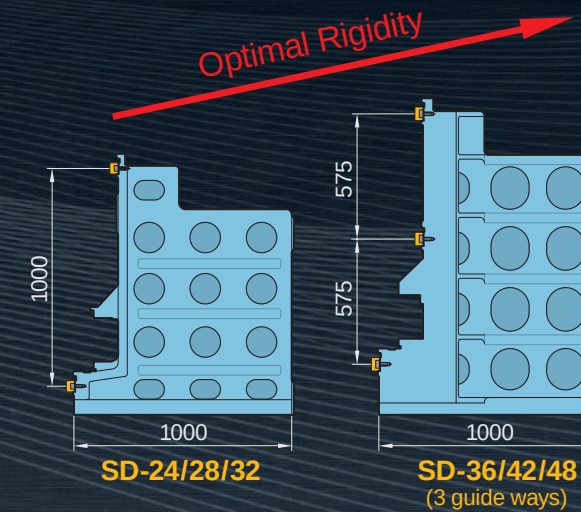
B X travel by gear-rack
syn-servo control

Model explain
SD-42 90

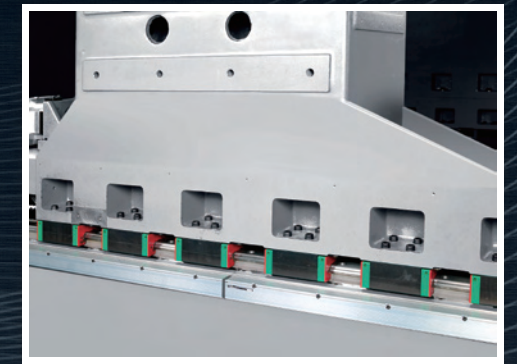
X travel 9 m

Gate span 4.2 m

Sliding Double Columns



D Cross-Rail box-in-box one piece casting



C Column and Slider one piece casting



E Mobile control room

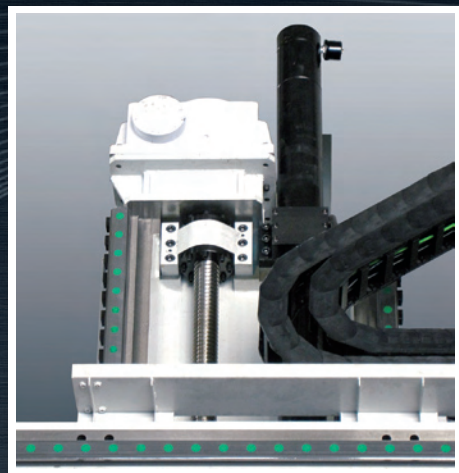


F AHC system

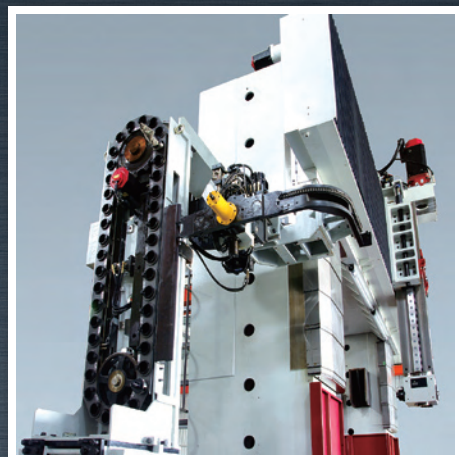


SDW-type

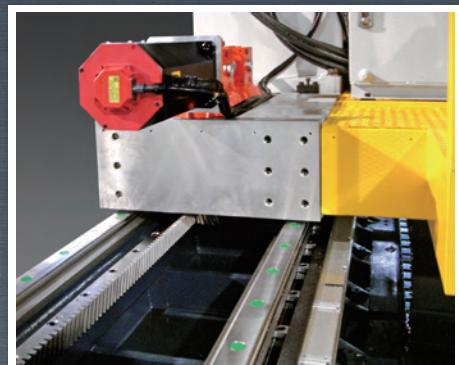
W type Sliding Double Columns Machining Center



A W travel free-position syn-servo control



B Free position ATC system



C X travel by gear-rack syn-servo control

MOVING CROSS-RAIL
W travel

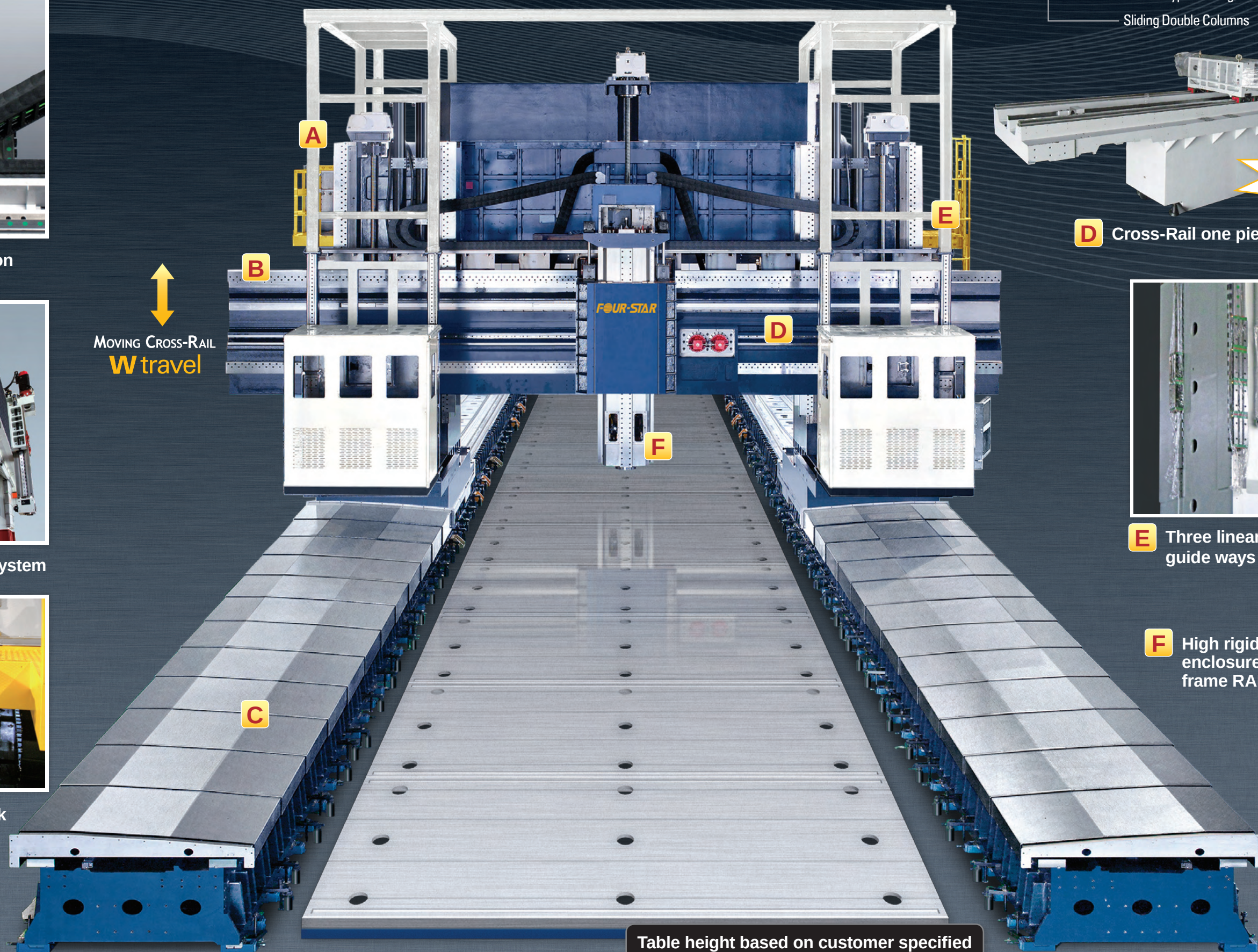


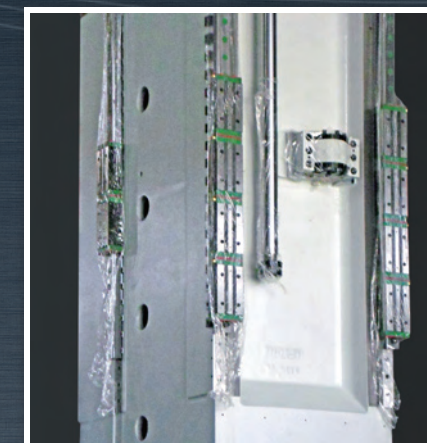
Table height based on customer specified

Model explain
SD W - 48 220

X travel 22m
Gate span 4.8m
W type Moving Cross-Rail
Sliding Double Columns



D Cross-Rail one piece casting

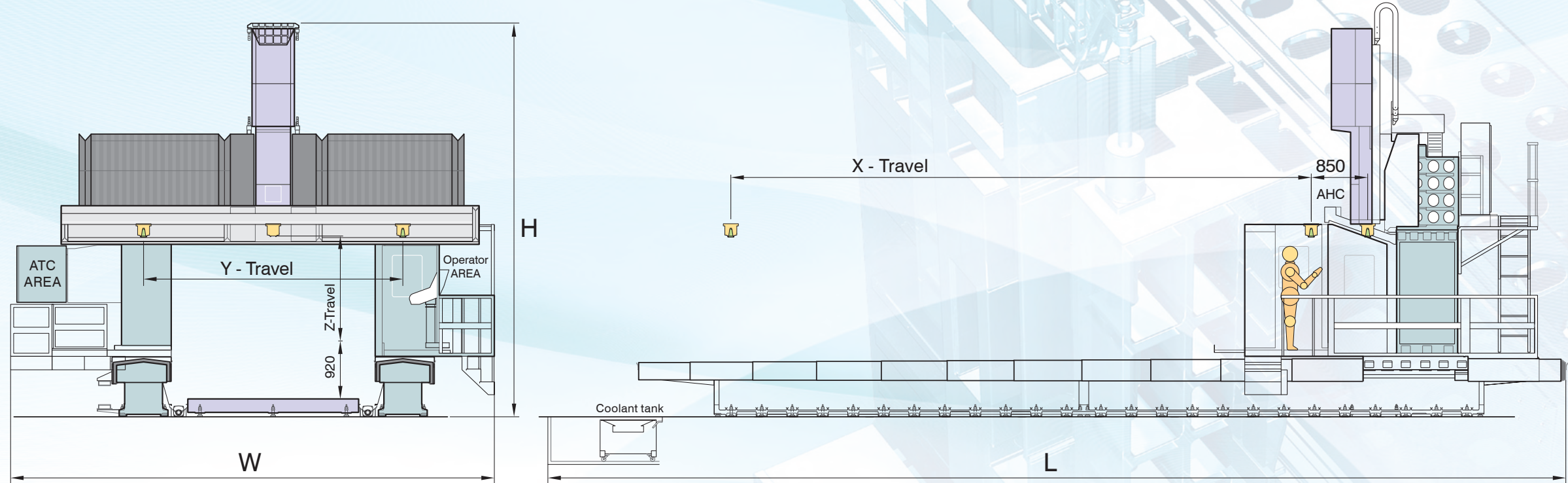


E Three linear guide ways column



F High rigidity enclosure frame RAM

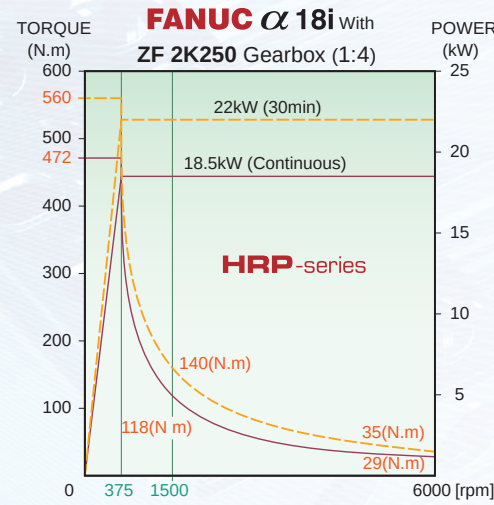
SD series machine travel layout



Rigidity Capability

High efficiency spindle
P4 level precision ball bearing is oil chilled to reduce thermal deformation.

Two speed ZF 2K 250 gearbox
Full enclosure, high performance.



Sliding Double Columns Machining Center (SD, SDW series)

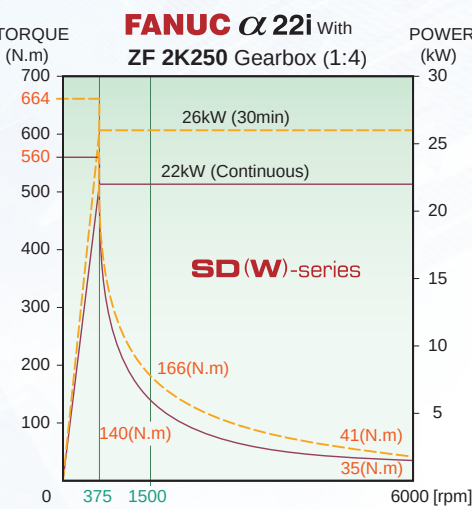
Item		Unit	SD(W)-24	SD(W)-28	SD(W)-32	SD(W)-36	SD(W)-42	SD(W)-48	SD(W)-54
Distance between columns		mm	2450	2850	3250	3650	4250	4850	5450
Floor table size	Length	m	6m ~ 36m each increase 1m						
	Width	mm	1600	2000	2400	2800	3400	4000	4600
T-slot	Width x Pitch	mm	28 x 400						
Travel	X-axis	m	6m ~ 36m each increase 1m						
	Y-axis	mm	2400	2800	3200	3600	4200	4800	5400
	Z-axis	mm	1100			1100(1400)			
	W-axis	mm	1000 ~ 2000 (for SDW series)						
Spindle	Nose to table	mm	920 ~ 2020						
	Center to column	mm	427			473			
	Taper / Speed / Power	rpm/kW	BT50 - 6,000 - 22 / 26						
Feedrate	X/Y/Z cutting	mm/min	5 ~ 5000						
	X/Y/Z rapid locate	m/min	8 / 8 / 10			6 / 6 / 10			
	W rapid locate	m/min	1 ~ 3 m/min locate any position (for SDW series)						
Accuracy	Positioning / Repeatability	mm	± 0.005 / 300 ; ± 0.003 ; Cross-rail slope 0.020/1000						
ATC & tool magazine	Capacity / Dia	mm	32 tools / Max. dia Ø125(full tools) ; Ø220(Adjacent pocket empty)						
	Max tool weight / Length	Kg/mm	18kg / 350mm						
	Tool selection / Pull stud		Take shortest direction / M24 P3.0-45°						
Requirement	Power / Pneumatic		50 ~ 100 KVA / 6.5 kg/cm²						
Maximum Table Load		Kg/m²	3000						
Machine size	Length	m	11m ~ 41m each increase 1m						
	Width	m	5.1	5.5	5.9	6.3	6.9	7.5	8.1
	Height	m	SD type 5.1m / SDW type 6.1m						
Machine Weight (app.)		ton	50+2/m	60+2/m	70+2.5/m	80+2.5/m	90+3/m	100+3/m	110+3.5/m

Standard Accessories

1. Spindle and Gear-box cooler
2. Spindle air blast
3. Cutting coolant system
4. Auto lubrication system
5. Rigid tapping
6. Electric cabinet heat exchanger
7. Program end alarm lamp
8. RS-232 interface
9. ZF-2K250 H/L gearbox
10. Air/water cleaning equipment.
11. Twin spiral type chip remover
12. Steel belt chip conveyor with cart
13. Operator / Maintain manual
14. X axis steel telescopic cover
15. Arm type ATC 32 tools magazine
16. ATC auto door
17. Working lamp
18. Foot switch for tool away
19. Mobile control room
20. FANUC OiMB + 10.4" LCD (SD type)
21. FANUC 31iMB + 10.4" LCD (SDW type)
22. X axis gear-rack syn-servo control
23. Waxis syn-servo control (SDW type)
24. X axis / W axis with twin linear scales
25. Leveling screw + foundation bolt+Tool kit

Optional Accessories

1. Z travel 1400mm
2. W travel 1500/2000 mm (SDW type)
3. High pressure coolant thru spindle(CTS)
4. Y-axis or Z-axis linear scale
5. Tool length measurement
6. Auto work piece measurment
7. Spindle motor 30/37KW+ZF 2K-300
8. Ram size 550x550/650x650mm
9. DATA SERVER
10. AI-NANO HPCC
11. 90° head (AAI, AAC, ATC)
12. BC swiveling head (AAI, AAC, ATC)
13. Universal head (AAI, AAC, ATC)
14. 90° extened head (AAI, AAC)
15. Extened head 500mm (AAC, ATC)
16. Auto head changer (AHC)
17. Simultaneous 5 axis head
18. CNC rotary or index table
19. Y / Z / W axis steel telescopic cover
20. Tool Magazine 40,60,80,120 pcs
21. High speed spindle 8000~24000 rpm
22. Oil skimmer
23. Coolant cooler
24. Tansformer 50~100KVA
25. Controller SIEMENS / HEIDENHAIN



T Slot

