

# Vertical Machining Centres

## COMPACT 3A

3-axis vertical machining centres



AXIS STROKES	COMPACT 3A-M		COMPACT 3A-L	
	mm	inches	mm	inches
X	1000	39.3	1250	49.2
Y	620	24.4	620	24.4
Z	600	23.6	600	23.6
AXIS SPEED	mm/min	ipm	mm/min	ipm
X-Y-Z	40000	1575	40000	1575

## LEADER

3-axis vertical machining centres



AXIS STROKES	LEADER 5		LEADER 6		LEADER 7	
	mm	inches	mm	inches	mm	inches
X	1250	79.2	1600	62.9	2000	78.7
Y	810	31.8	810	31.8	810	31.8
Z	630	24.8	630	24.8	630	24.8
AXIS SPEED	mm/min	ipm	mm/min	ipm	mm/min	ipm
X-Y-Z	up to 50000	up to 1968	up to 50000	up to 1968	up to 50000	up to 1968

# COMPACT 5A

Simultaneous 5-axis vertical machining centres



	COMPACT 5A	
AXIS STROKES	mm	inches
X	1150	45.2
Y	570	22.4
Z	800	31.4
AXIS SPEED	mm/min	ipm
X-Y-Z	40000	1575

# FLEXI

Simultaneous 5-axis vertical machining centres



	FLEXI 5		FLEXI 7	
AXIS STROKES	mm	inches	mm	inches
X	1250	49.2	2100	82.6
Y	700	27.5	700	27.5
Z	950	37.4	950	37.4
AXIS SPEED	mm/min	ipm	mm/min	ipm
X-Y-Z	50000	1968	up to 50000	up to 1968

# Vertical Machining Centres

## ALLIANCE

3-axis vertical machining centres



ALLIANCE M		
AXIS STROKES	mm	inches
X	1000	39.3
Y	520	20.4
Z	505	19.8
AXIS SPEED	mm/min	ipm
X-Y-Z	30000	1681

## TYPHOON 5A

Simultaneous 5-axis vertical machining centres



TYPHOON 5A		
AXIS STROKES	mm	inches
X	460	18.1
Y	520	20.4
Z	400	15.7
AXIS SPEED	mm/min	ipm
X-Y-Z	30000	1181

## TANDEM 3A

Palletized vertical machining centres



	TANDEM 3A	
AXIS STROKES	mm	inches
X <sup>(1)</sup>	2 x 1000	2 x 39.3
X <sup>(2)</sup>	2100	82.6
Y	810	31.8
Z	630	24.8
AXIS SPEED	mm/min	ipm
X-Y-Z	50000	1968

<sup>(1)</sup> shuttle mode - <sup>(2)</sup> tandem mode

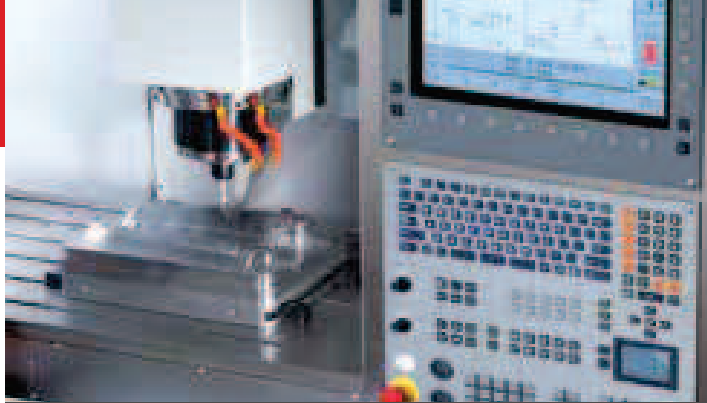
## TANDEM 5A/6A

Palletized vertical machining centres



	TANDEM 5A		TANDEM 6A	
AXIS STROKES	mm	inches	mm	inches
X <sup>(1)</sup>	2 x 1500	2 x 59	2 x 1500	2 x 59
X <sup>(2)</sup>	2100	83	2100	83
Y	700	27.5	700	27.5
Z	950	37.4	950	37.4
AXIS SPEED	mm/min	ipm	mm/min	ipm
X-Y-Z	up to 50000	up to 1968	up to 50000	up to 1968

<sup>(1)</sup> shuttle mode - <sup>(2)</sup> tandem mode



8000 - 15000



12000 - 18000



12000 - 18000

Motorspindles Speed (rpm)	Power (kW / hp)	Torque (Nm / lb*ft)	Toolholder	Models
8000	27 / 36	235 / 172	SK 50	COMPACT 3A, LEADER 5-6-7, TANDEM 3A
12000	33 / 44	180 / 132	SK 40 - BT 40 - HSK-A-63	COMPACT 5A, FLEXI 5-7, TANDEM 5A - 6A
15000	27 / 36	235 / 172	SK 40 - BT 40 - HSK-A-63	COMPACT 3A, LEADER 5-6-7, TANDEM 3A
18000	33 / 44	120 / 88	SK 40 - BT 40 - HSK-A-63	COMPACT 5A, FLEXI 5-7, TANDEM 5A - 6A
12000	15 / 20	95 / 70	ISO 40 - BT 40 - HSK-A-63	ALLIANCE
15000	14 / 18	89 / 65	ISO 40 - BT 40 - HSK-A-63	TYPHOON
10000	29 / 39	130 / 95	SK 40 - BT 40 - HSK-A-63	COMPACT 3A