

# SPARK & SPARK XL

DRILL TAP MACHINING CENTERS

Compact & Cost Effective....

**AMS**<sup>®</sup>  
In Pursuit of Excellence



*\*Image subject to change with design improvements*

## SPARK Standard Features

- Spindle Speed 6000 rpm
- BT-30
- Spindle Power 5.5 / 3.7 kW
- 8 tool Disc type ATC
- Rapid Traverse 25/25/18 m/min
- Fanuc 0iMF+ package
- Rigid tapping

## SPARK XL Standard Features

- Spindle Speed 8000 rpm
- BT-30
- Spindle Power 5.5 / 3.7 kW
- 8 / 12 tool disc type ATC
- Rapid Traverse 36/36/36 m/min
- Fanuc 0iMF+ package
- Rigid tapping

# SPARK & SPARK XL - Drill Tap Machining Center



## Technical Specifications

Capacity	Unit	SPARK	SPARK XL
Table longitudinal travel (X axis)	mm	300	400
Table cross travel (Y axis)	mm	250	300
Headstock travel (Z axis)	mm	250	250
Spindle nose face to table top	mm	150 - 400	150 - 400
Table height from floor	mm	840	840
<b>Table</b>			
Table size	mm x mm	500 x 270	650 x 300
T-slot (No.xsizexpitch)		3 x 14 x 80	3 x 14 x 80
Max. load on table	kgf	150	200
<b>Spindle &amp; axes</b>			
Spindle taper		7 / 24 No.30	7 / 24 No.30
Spindle speed - std.	rpm	60 - 6000	80 - 8000
Spindle speed - opt.	rpm	80 - 8000	
Spindle power	kW	5.5 / 3.7	5.5 / 3.7
Rapindraaverse X/Y/Z	m /min	25 / 25 / 18	36 / 36 / 36
Guide ways type		LM	LM
<b>Accuracy - As per ISO 230-2</b>			
Positioning accuracy	mm	0.010	0.010
Repeatability	mm	± 0.003	± 0.003
<b>Automatic Tool Changer</b>			
Tool change system		Disc Armless	Disc Armless
Tool storage capacity	Nos	8	8 / 12
Pull stud		MAS - 403	MAS - 403
Max. tooldia with all pockets full	mm	80	80
Max. tool length	mm	200	200
Ma. Tool weight	kg	2.5	2.5
Chip to chip time	sec.	4.3	3.5
Tool shank type		BT - 30	BT - 30
CNC system		Fanuc 0iMF+	Fanuc 0iMF+
<b>Installation data</b>			
Floor space	mm x mm	1350 x 1900	1600 x 2000
Machine height	mm	2350	2350
Basic machine weight	kgf	1800	2000

\*All specifications are subject to change without prior notice

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