

Drill⁺

ProArc[®]

SINCE 1966

Your smart drilling solution!



● Drill⁺ 166

ProArc **Drill⁺ 166/206** is specially designed for application on construction joint plate. It provides convenient working environment facilitating operator to easily load and unload workpiece.

Automatic drilling process is constituted by Z axis servo lifter, tool length detector and plate thickness measuring device. It can increase drilling efficiency and prevent misoperation.

Features:

- Multi-application: Drilling, tapping and nibbling
- Automatic tool length detector
- Automatic plate thickness measuring device
- IPC based CNC controller and built-in Drill⁺ CAM software
- Laser point positioning unit for plate alignment function
- Teach mode - create the drawing on-site by defining coordinates
- Quick tool change device
- Small and compact design occupies minimum floor space while keeping highest operation efficiency

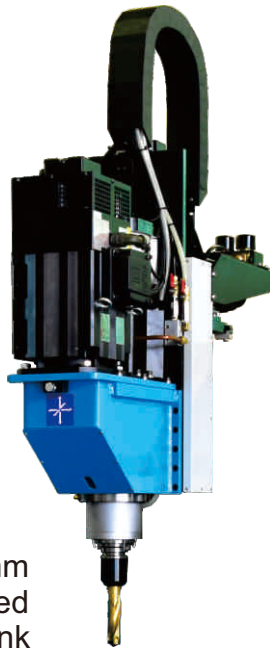


● IPC based controller

We love metal arts
welding · cutting · drilling since 1966

AC servo Z axis lifter

Adopt ball screw feeding on Z axis with traveling speed of 5,000 mm/min at 250 mm stroke. Precise sequence control for primary, pecking and extremity drilling in high efficiency and is capable to support not only drilling but also tapping for M8 ~ M32 and nibbling for Ø8 ~ Ø32 mm.



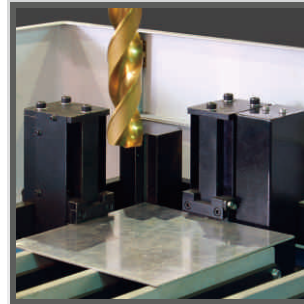
DS-032 servo spindle

Taiwan patent number M420381
China patent number 201120309716.1

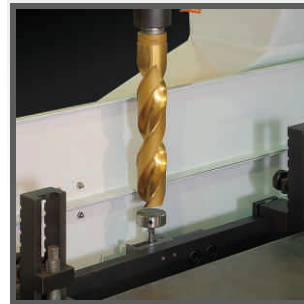
Ø6 ~ Ø32 mm TTD drilling capacity and a maximum Ø40 mm drilling capability using high speed indexable drill. Standard BT shank for quick tool change device.



Laser point positioning unit



Hydraulic clamp with encoder to detect plate thickness



Automatic tool length detector

Optional Accessories:

• Electric chip conveyor and chip bucket

Remove chips and coolant can be recycled



• Electric chip conveyor with chip bucket

• DG-032 Drill grinder

DG-032	
Drill size	Ø13 ~ 32 mm
Grinding shape	165° - 180°
Collect	ER-40
Grind wheel rotation speed	6,000 rpm
Dimension	420L x 228W x 229H in mm
Weight	20 kgs.



• Drill grinder

Table type

Specification			
Model	Unit	Drill* 166	Drill* 206
Table size	mm	1,600 x 600	2,000 x 600
Z axis lifter effective stroke	mm	250	
Plate thickness	mm	100	
Positioning accuracy	mm	± 0.1	
Positioning speed	m/min	16	
Number of spindle		1	

Drill Spindle		
Model	Unit	DS-032
Drills number		1
Drive motor	hp	7.5
Drilling capacity	mm	Ø6 ~ 32 *2
Speed	rpm	10 ~ 3,000
Effective length*1	mm	215 ~ 375
Shank-standard		BT40-MT4
Shank-tapping (option)		BT40-TPM830 *3
		TPC830 *4
Shank-indexible drills (option)		BT40-SLA-OD *5

*1 Effective length: From spindle nose-end to drills end
*2 Maximum 40 mm drilling capability using high speed indexable drill
*3 Shank w/ tapping chuck
*4 Quick change tapping collets
*5 Shank w/ side lock holder

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