



Machine series	DSW-02I	DSW-04I
No. of spindles	2	4
Pitch	200mm 300mm	120m
Wire dia.	0.03-0.35mm	
Controller	CNC 4 Axles AC servo motor	
Data storage	USB 1GB, Built-in 256MB cache memory	
Speed range	Max. 2000 rpm CW/CCW	
Rotating angle	360°/Circle, Unit:1	
Angle precision	. +/-0.5°	
Nozzle movement S-Axis		360° Any setting, moving unit:0.01; S Axle(Indexing)
Nozzle movement X-Axis	175mm, moving unit:0.01mm; F X Axle (Forward / Backward)	
Nozzle movement Y-Axis	170mm, moving unit:0.01mm; F Y Axle (Left / Right)	110mm, moving unit:0.01mm; F Y Axle (Forward / Backward)
Nozzle movement Z-Axis	115mm, moving unit:0.01mm; F Z Axle (Up / Down)	61mm, moving unit:0.01mm; F Z Axle (Up / Down)
Rotation diameter	20 ~ 85mm	40mm
Stator height	10 ~ 60mm	5 ~ 30mm
Pin wrapping speed		Max.150 turns / min.
Power supply	1PH 220V / 50Hz or 60Hz	
Power consumption	4KVA	
Air pressure	4~6kgf / cm ²	
Model No.	FDM2002I	DSW-FM1204B



Multispindle Winders
Stator Winders

Precision Coil Winding Machines





Multispindle Winders



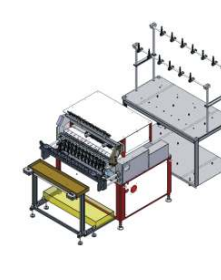
Precision Coil Winding Machines



Multispindle Winders



Precision Coil Winding Machines



Machine series	DSW-01	DSW-04	DSW-06
No. of spindles	1	4	6
Pitch		80mm	60mm 75mm
Wire dia.	0.03~0.3mm	0.02~0.5mm	0.03~0.5mm
Controller	CNC 4 Axles AC servo motor	CNC 4 Axles AC servo motor	CNC 4 Axles AC servo motor
Data storage	USB 1GB, Built-in 8MB cache memory	USB 1GB, Built-in 8MB cache memory	USB 1GB, Built-in 8MB cache memory
Speed range	Max. 5000 rpm CW/CCW	Max. 9000 rpm CW/CCW	Max. 13,500 rpm CW/CCW
Rotating angle	360°/Circle, Unit:1	360°/Circle, Unit:1	360°/Circle, Unit:1
Angle precision	+/-0.5°	+/-0.5°	+/-0.5°
Nozzle movement X-Axis	70mm, moving unit:0.01mm; F X Axle (Forward / Backward)	90mm, moving unit:0.01mm; F X Axle (Forward / Backward)	90mm, moving unit:0.01mm; F X Axle (Forward / Backward)
Nozzle movement Y-Axis	70mm, moving unit:0.01mm; F Y Axle (Left / Right)	80mm, moving unit:0.01mm; F Y Axle (Left / Right)	130~150mm, moving unit:0.01mm; F Y Axle (Left / Right)
Nozzle movement Z-Axis	60mm, moving unit:0.01mm; F Z Axle (Up / Down)	50mm, moving unit:0.01mm; F Z Axle (Up / Down)	60mm, moving unit:0.01mm; F Z Axle (Up / Down)
Rotation diameter	40mm	70mm	50, 60, 65mm
Winding width	60mm	90mm	90mm
Pin wrapping speed	Max.150 turns / min.	Max.150 turns / min.	Max.150 turns / min.
Pin wrapping angle	0°, 90°, 120°	0°, 90°, 120°	0°, 90°, 120°
Wire twisting controller	CNC 2-axis AC servo motor driven	CNC 2-axis AC servo motor driven	CNC 2-axis AC servo motor driven
Wire twisting length	Max. 300mm	Max. 300mm	Max. 300mm
Wire twisting strands	1, 3, 5, 7,.....ect.	1, 3, 5, 7,.....ect.	1, 3, 5, 7,.....ect.
Wire twisting speed	Max.3000 turns / min.	Max.3000 turns / min.	Max.3000 turns / min.
Power supply	2KVA	5KVA	5KVA
Power consumption	1PH 220V / 50Hz or 60Hz	1PH 220V / 50Hz or 60Hz	1PH 220V / 50Hz or 60Hz
Air pressure	4~6kgf / cm ²	4~6kgf / cm ²	4~6kgf / cm ²
Model No.	DSW-0001PT	DSW-8004PN DSW-8004PT DSW-8004P	DSW-7506PT DSW-6006P DSW-6006PT
Option component	Tension released Bifilar winding Wire broken sensor Jig released device	Tension released Wire broken sensor Air cutter Wire twister Taping device Jig released device	Tension released Bifilar winding Wire broken sensor Air cutter Unloading conveyor Wire twister Taping device Jig released device

DSW-08	DSW-10	DSW-12	DSW-16
8	10	12	16
42mm 60mm 80mm	42mm	60mm	30mm 42mm
0.02~0.5mm	0.03~0.3mm	0.03~0.3mm	0.02~0.3mm
CNC 4 Axles AC servo motor	CNC 4 Axles AC servo motor	CNC 4 Axles AC servo motor	CNC 4 Axles AC servo motor
USB 1GB, Built-in 8MB cache memory	USB 1GB, Built-in 8MB cache memory	USB 1GB, Built-in 8MB cache memory	USB 1GB, Built-in 8MB cache memory
Max. 9,000~13,500 rpm CW/CCW	Max. 18,000 rpm CW/CCW	Max. 13,500 rpm CW/CCW	Max. 18,000 rpm CW/CCW
360°/Circle, Unit:1	360°/Circle, Unit:1	360°/Circle, Unit:1	360°/Circle, Unit:1
+/-0.5°	+/-0.5°	+/-0.5°	+/-0.5°
90~100mm, moving unit:0.01mm; F X Axle (Forward / Backward)	90mm, moving unit:0.01mm; F X Axle (Forward / Backward)	100mm, moving unit:0.01mm; F X Axle (Forward / Backward)	90mm, moving unit:0.01mm; F X Axle (Forward / Backward)
80~130mm, moving unit:0.01mm; F Y Axle (Left / Right)	80mm, moving unit:0.01mm; F Y Axle (Left / Right)	80mm, moving unit:0.01mm; F Y Axle (Left / Right)	80~150mm, moving unit:0.01mm; F Y Axle (Left / Right)
50~60mm, moving unit:0.01mm; F Z Axle (Up / Down)	50mm, moving unit:0.01mm; F Z Axle (Up / Down)	50mm, moving unit:0.01mm; F Z Axle (Up / Down)	50mm, moving unit:0.01mm; F Z Axle (Up / Down)
35, 50, 70mm	35mm	52mm	35mm
90mm	70mm	90mm	90mm
Max.150 turns / min.	Max.150 turns / min.	Max.150 turns / min.	Max.150 turns / min.
0°, 90°, 120°	0°, 90°, 120°	0°, 90°, 120°	0°, 90°, 120°
CNC 2-axis AC servo motor driven	CNC 2-axis AC servo motor driven	CNC 2-axis AC servo motor driven	CNC 2-axis AC servo motor driven
Max. 300mm	Max. 300mm	Max. 300mm	Max. 300mm
1, 3, 5, 7,.....ect.	1, 3, 5, 7,.....ect.	1, 3, 5, 7,.....ect.	1, 3, 5, 7,.....ect.
Max.3000 turns / min.	Max.3000 turns / min.	Max.3000 turns / min.	Max.3000 turns / min.
2~5KVA	2KVA	5KVA	5KVA
1 or 3PH 220V / 50Hz or 60Hz	1PH 220V / 50Hz or 60Hz	3PH 220V / 50Hz or 60Hz	1PH 220V / 50Hz or 60Hz
4~6kgf / cm ²	4~6kgf / cm ²	4~6kgf / cm ²	4~6kgf / cm ²
DSW-8008P DSW-8008PN DSW-8008NPT DSW-6008P DSW-4208P DSW-4208PT DSW-4208P-TP	DSW-4210P	DSW-6012N DSW-6012P	DSW-4216P DSW-4216PT DSW-3016P
Tension released Bifilar winding Wire broken sensor Air cutter Unloading conveyor Wire twister Taping device Jig released device	Tension released Bifilar winding Wire broken sensor Wire twister Taping device Jig released device	Tension released Bifilar winding Wire broken sensor Wire twister Taping device Jig released device	Tension released Bifilar winding Wire broken sensor Air cutter Wire twister Jig released device

