

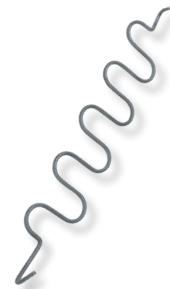
i-S SERIES

Single Head 3D CNC Wire Bender

The i-S series CNC wire bender
engineered for precision,
durability, and intelligence



- 6-7 servo axis
- Intellibend software on Windows™ with 3D simulation
- Length-Rotation-Angle programming
- Up to 8 different forming radii with servo adjustable tool height
- All electric motions, no pneumatic or hydraulics used in bending
- Wire stabilizer for increased wire form repeatability



IP AUTOMATION INC

ipautomationinc.com

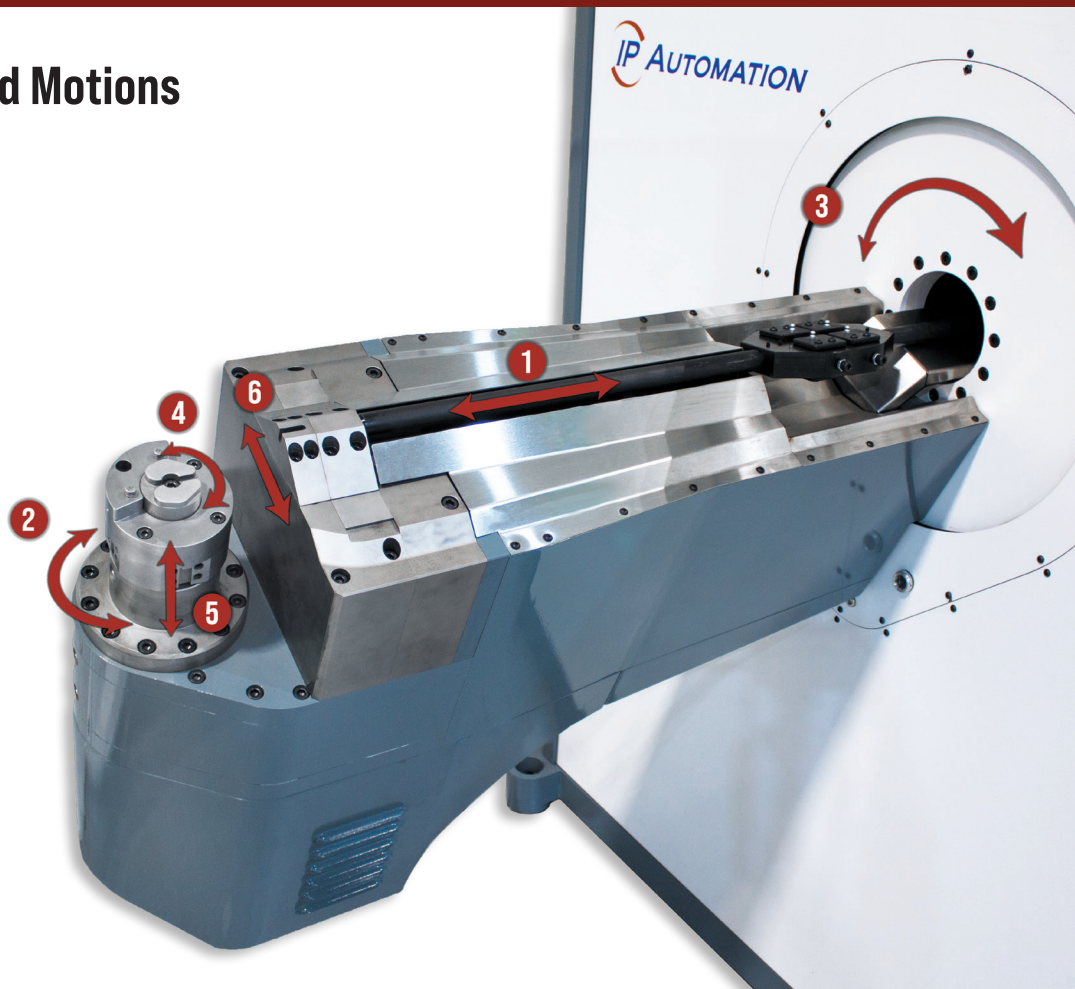
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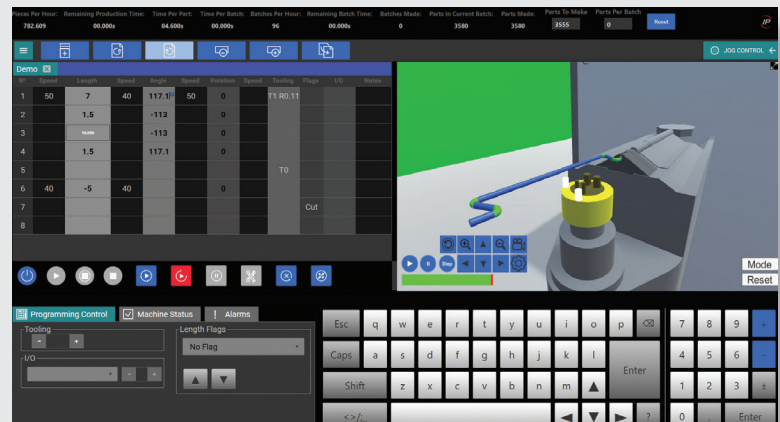
6-7 Axis Servo Controlled Motions

1. X-Axis Wire Feed
2. Y-Axis Bender Rotation
3. Z-Axis Arm Rotation
4. T-Axis Center Tool Rotation
5. P-Axis Bend Head Up/Down
6. C-Axis Cutter
7. Optional Traversing Feeder/Straightener
(on opposite page)



Intellibend Software Features

- 3D simulation and collision detection
- Length-Rotation-Angle program format
- Streamlined dashboard with live production metrics
- 21.5" (55cm) Multi-touch screen
- Remote connectivity through secure VPN tunnel
- Seamless robotic integration to bender
- Automated 2 pin bending
- STEP file import
- User access levels
- Intelligent maintenance driven by real-time usage
- OPC-UA protocol for industry 4.0 and IIOT



Main Program Grid with 21.5" (55cm) Multi-Touch Screen

i-S SERIES

Optional Features

- Traversing feeder/straightener, prevents wire from reversing through the straightener
- Integrated in-line wire chamfering
- Integrated in-line press
- Auto-Bend correction - with 3rd party feedback devices available
- Part support table
- Wire pre-feeder



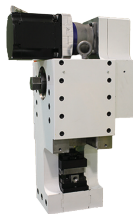
Automation Cell Accessories



Intellibend Robot



Resistance
Welder



Servo Press



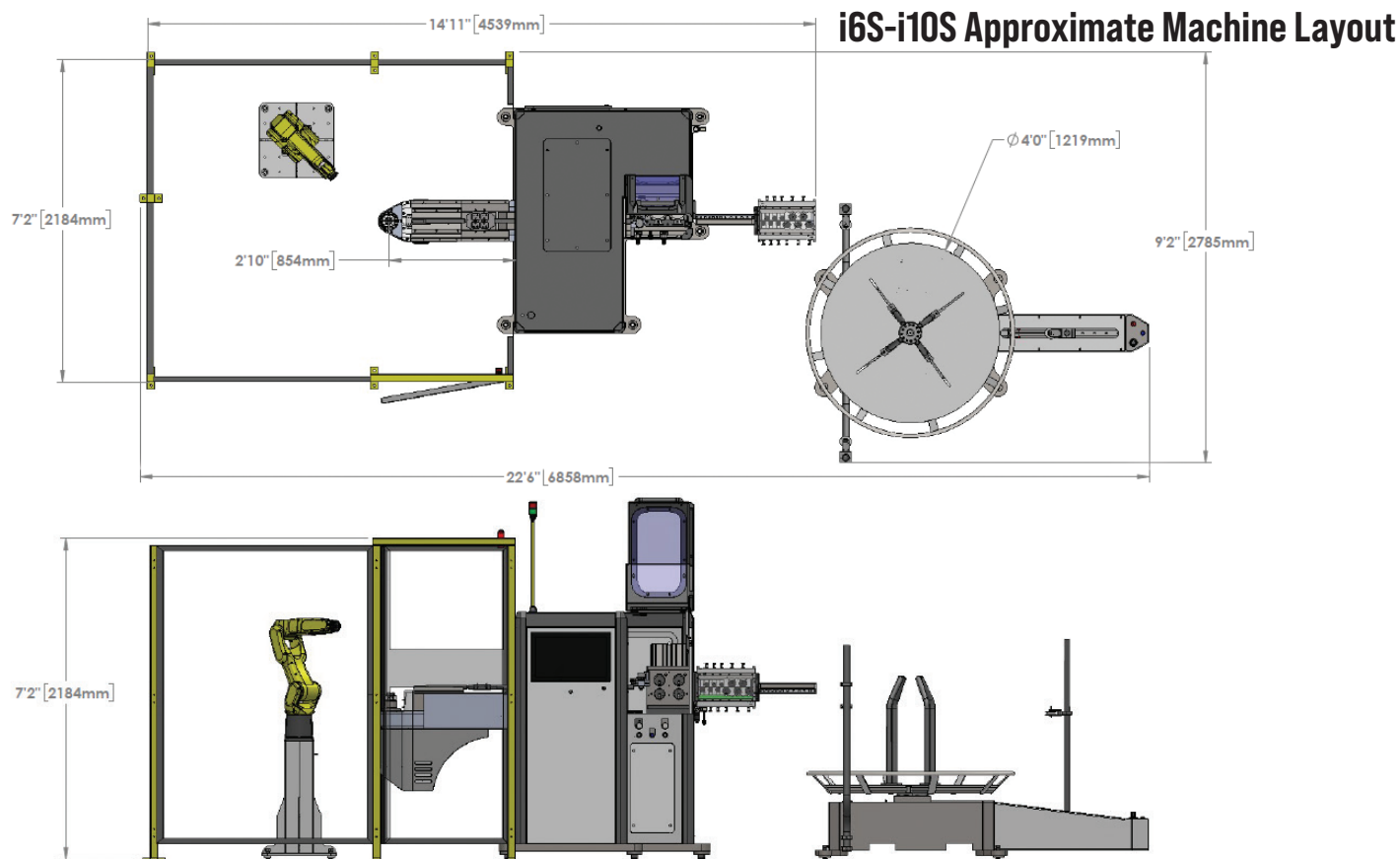
iFM
Machining Center



Chamfer/Drilling
Station



Cold Heading



Model	i6-S	i8-S	i10-S	i13-S	i16-S	i20-S
Wire Diameter (Tensile)	2-6.35mm (620N/mm ²)	2-8mm (620N/mm ²)	3-10mm (620N/mm ²)	4-13mm (620N/mm ²)	4-16mm (620N/mm ²)	4-20mm (620N/mm ²)
Bend Radii	up to 16	up to 16	up to 16	up to 16	up to 8	up to 8
Arm Length	850mm (33.5")	850mm (33.5")	850mm (33.5")	1025mm (40")	1220mm (48")	1220mm (48")
Installed Power kVA	17 kVA 460V 3ph	17 kVA 460V 3ph	18 kVA 460V 3ph	21 kVA 460V 3ph	42 kVA 460V 3ph	43kVA 460V 3ph
Air Requirements	80 PSI (550 KPa) Min.	80 PSI (550 KPa) Min.	80 PSI (550 KPa) Min.	80 PSI (550 KPa) Min.	80 PSI (550 KPa) Min.	80 PSI (550 KPa) Min.
Machine Weight	3100kg	3400kg	3800kg	4700kg	6200kg	7900kg
# of Servos	6-7	6-7	6-7	6-7	6-7	6-7
Feed Speed	120m/min	120m/min	110m/min	95m/min	90m/min	90m/min
Bend Speed	1200 deg/sec	1100 deg/sec	1050 deg/sec	950 deg/sec	700 deg/sec	600 deg/sec
Tool Change Time	<200 msec	<200 msec	<200 msec	<300 msec	<400 msec	<500 msec
Arm Rotation Speed	600 deg/sec	500 deg/sec	500 deg/sec	380 deg/sec	300 deg/sec	280 deg/sec
Cut Time	<200 msec	<260 msec	<300 msec	<350 msec	<500 msec	<500 msec

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Headquarters

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Global Locations

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