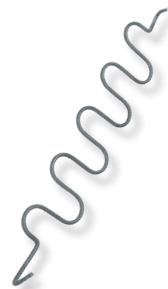


IP AUTOMATION INC

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



- 6-7 servo axis
- Intellibend software on Windows 10 operating system with 3D simulation
- Length-Rotation-Angle CNC program format
- 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



i-S SERIES

Single Head 3D CNC Wire Bender

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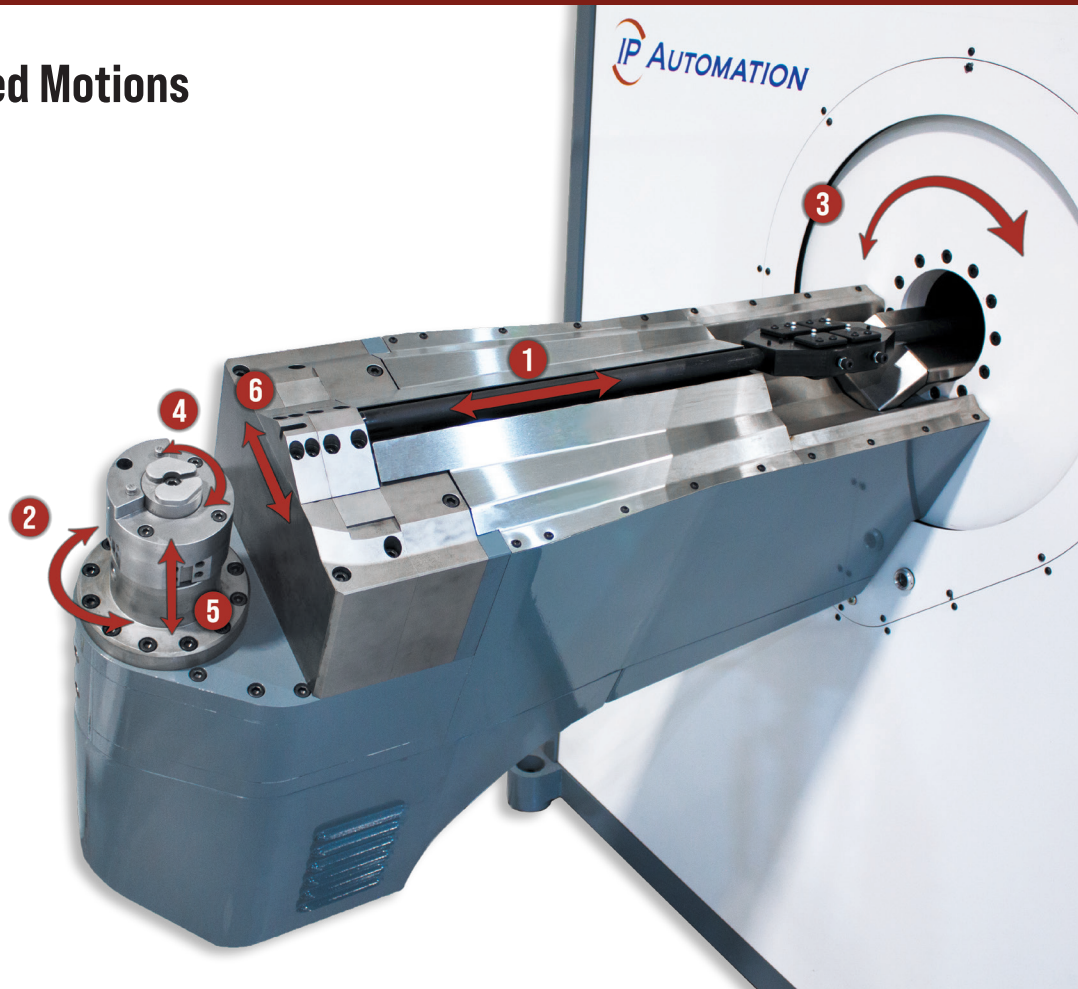
Email: sales@ipautomationinc.com

5220 Thatcher Rd, Downers Grove, IL, 60515



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

- Intellibend software on Windows 10 operating system with 3D simulation and collision detection
- Length-Rotation-Angle CNC program format
- Production dashboard, with real-time rate and batch programming
- 21.5" (55cm) Multi-touch screen
- Remote connectivity through secure VPN tunnel
- OPC-UA protocol for industry 4.0 and IIOT
- Custom I/O functions available
- Seamless robotic integration to bender



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

i-S SERIES

Optional Features

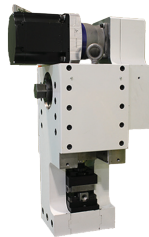
- Optional 7th axis traversing feeder/straightener, for increased wire straightness repeatability
- Integrated in-line wire chamfering
- Auto-Bend correction - with 3rd party feedback devices available
- Part support table
- Wire pre-feeder



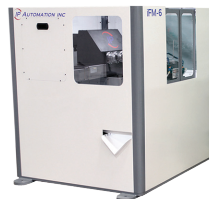
Automation Cell Accessories



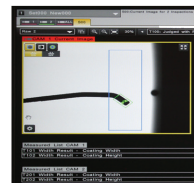
Intellibend Robot



Servo Press



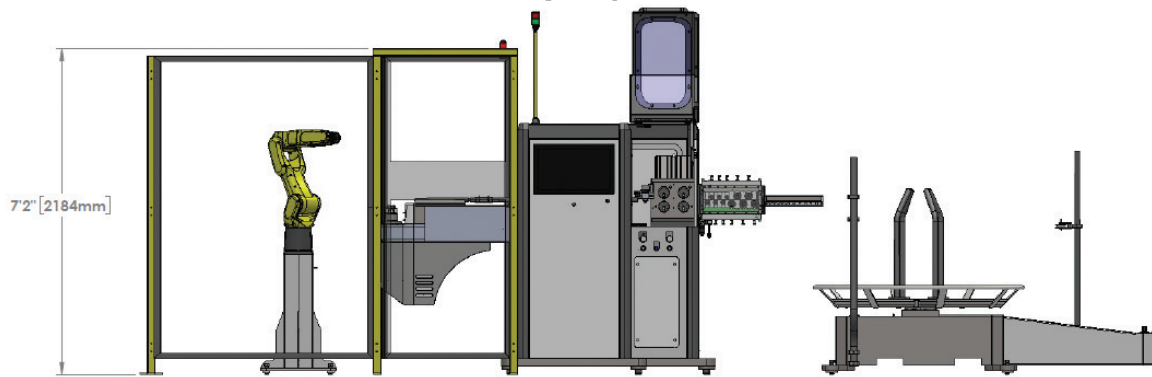
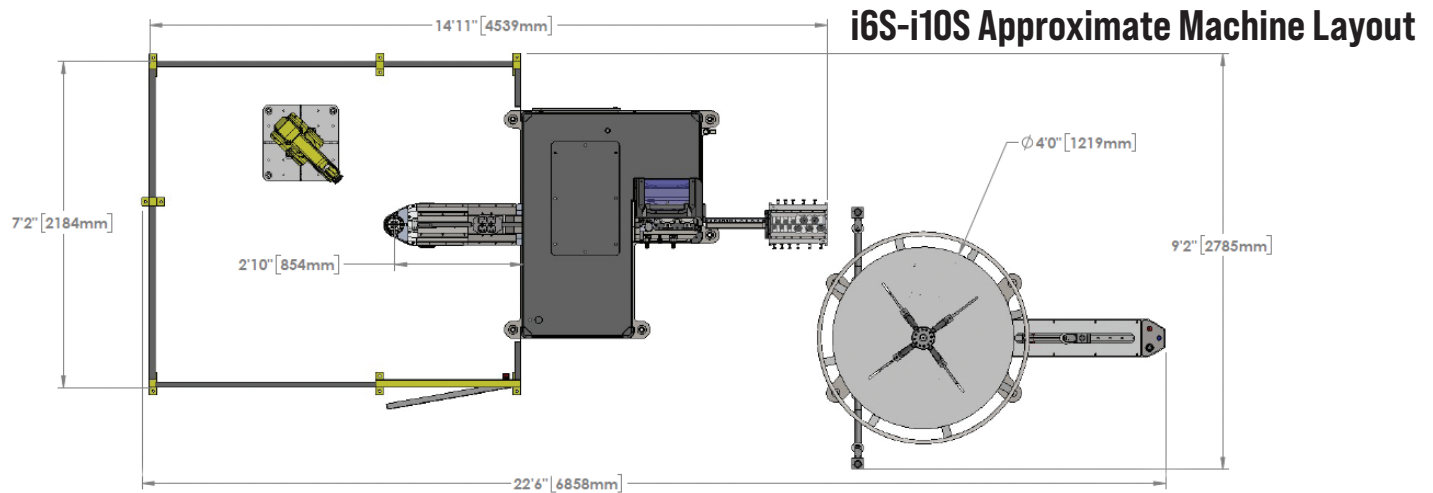
iFM-6
Machining Center



Vision Inspection



Cold Heading



Model	i6-S	i8-S	i10-S	i13-S	i16-S
Wire Diameter (Tensile)	2-6mm (620N/mm ²)	2-8mm (620N/mm ²)	3-10mm (620N/mm ²)	4-13mm (620N/mm ²)	4-16mm (620N/mm ²)
Bend Radii	4 to 8	4 to 8	4 to 8	4 to 8	4 to 8
Arm Length	850mm	850mm	850mm	950mm	950mm
Installed Power KVA	14.4 KVA	16 KVA	17.5 KVA	20 KVA	custom to application
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.
Machine Weight	3100kg	3400kg	3800kg	4700kg	6200kg
# of Servos	6-7	6-7	6-7	6-7	6-7
Feed Speed	120m/min	120m/min	110m/min	95m/min	90m/min
Bend Speed	1200 deg/sec	1100 deg/sec	1050 deg/sec	950 deg/sec	700 deg/sec
Tool Change Time	<200 msec	<200 msec	<200 msec	<300 msec	<400 msec
Arm Rotation Speed	600 deg/sec	500 deg/sec	500 deg/sec	380 deg/sec	330 deg/sec
Cut Time	<200 msec	<260 msec	<300 msec	<350 msec	<500 msec



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