



Presses & Automation
SINCE 1975



AZ-CTL
Cut to length Line

AZ-CTL

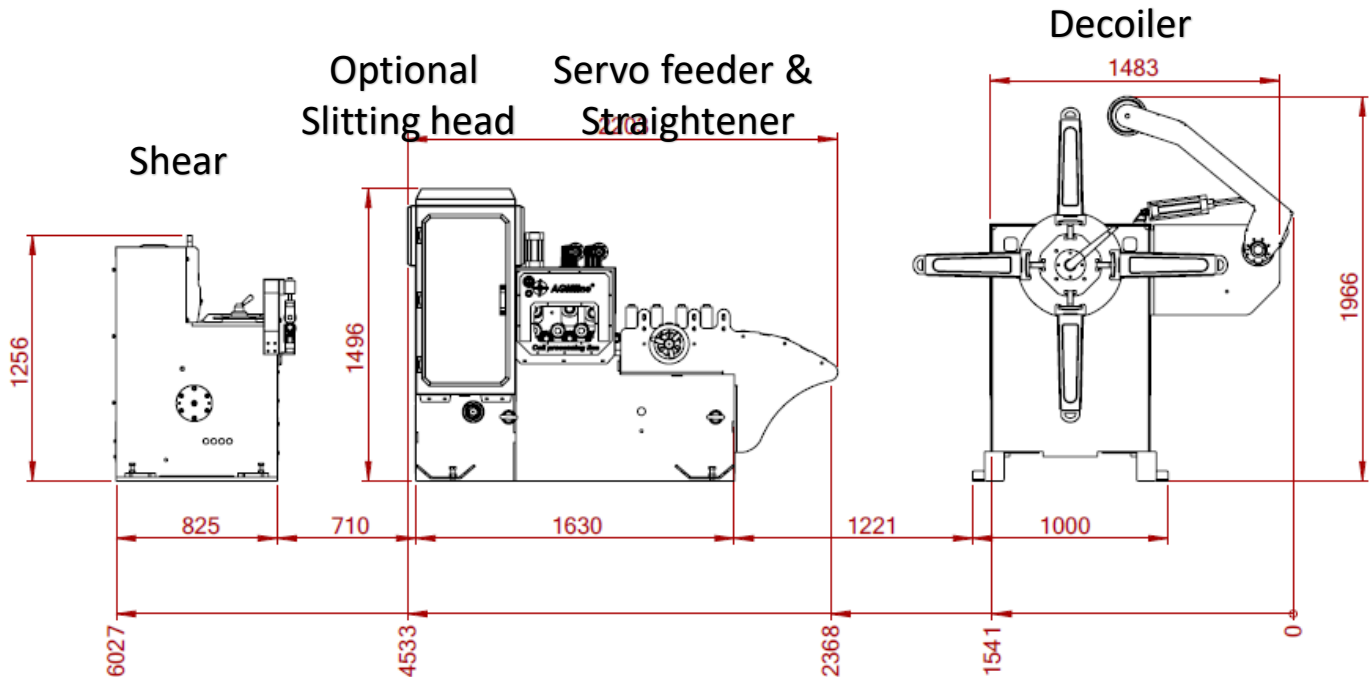
Cut-to-length line



- Feeder with straightener
- Manual straightener adjustment (servo motorized is optional)
- 6T Hydraulic expansion Decoiler (mechanical keepers)
- **Optional pressure arm**
- Hydraulic Shear
- **Slitting head at the exit**
- UL, CSA Certified Control pannel & OSHA Approved.

AZ-CTL

Cut to length line



Standard features

- 2 OVER 3 straightener rolls
- Servo Motorized Feeder & Straightener Rolls (driven)
- Several controller options
- Manual Straightener Adjustment with handle & mechanical read-out
- Entre & Exit Guide rollers (work off-center & Centered)
- OMRON Servo Driven system
- UL Certified control panel (MEETS OSHA & CSA Regulations)
- 5 slitting rolls

Optional feature

- Air lock-out
- Rotary Encoder strip
- Digital straightener readout
- Servo Motorized straightener adjustment
- Wireless remote
- Complete Safety cells design
- More slitting rolls
- Automatic Stacker



AZ-SSF

Model→ Parameter↓	Unit	AZ-SSF-1300	AZ-SSF-1600
Servo Straightener-Feeder + slit unit unit ↓			
Min width	INCH	11.750	
Max Width	INCH	51.125	63.000
Thickness MIN	INCH	0.020	
Thickness MAX	INCH	STEEL : 0,080" ALUMINUM : 0,06" STAINLESS : 0,040"	
Feeding rolls diameter	INCH	3.346	
Starigthener rolls diameter	INCH	3.346	
Straightner adjustment		Manual	
Straightener rolls configuration		2 top 3 bottom	
Pilot Release		Pneumatic	
Max feeding speed	INCH/S	19.69	
Slit unit ↓			
Number of slitting rolls		5 (10 optional)	
Shaft diameter	INCH	140	
Slitting shaft adjustment		Manual	
Slitting shaft setting	INCH	0.002	
minimum Slit width	INCH	2.953	
Swing Shear ↓			
Cutting speed	s	2.5	
Cutting capacity MIN	INCH	0.5	
Cutting capacity MIN	INCH	2	
Thickness adjustment		Manual	



Optional routing platform & bending arm

Unique design of Routing Platform Unit with Bending Arm, the coil is being transferred to the Straightener, without needing anyone's interference.

Bending Arm moves Up and Down, while Routing Platform moves both Up & Down and Back & Forth

Routing platform transfers the sheet properly from the coil to the pinch rollers, without an operator need



- 5 straightener rolls (2 top – 3 bottom)
- Pneumatic pilot release for feeder rolls
- Optional pilot release for straighteners rolls
- Double straightener adjustment through handwheel
- Optional servo motorized Straightener Adjustment

- Omron servo Driven (5 years warranty)
- 200 or 400VAC configuration



AZ-DH6

Azimuth Decoiler motorized



- Manual mode: Forward & reverse with jog
- Automatic mode with loop control
- Pneumatic pressure arm to prevent coil spreading
- ABB Variable speed drive with speed control from loop control
- Hydraulic Expansion
- Pneumatic pressure arm or **hydraulic pressure optional**
- Mechanical arm keeper

AZ-DH6

Azimuth Decoiler motorized



Figure 1 - For Reference only. Coil car is optional

IMPERIAL							
Model→ Parameter↓	Unit	AZ-DH4-400	AZ-DH4-600	AZ-DH6-600	AZ-DH6-800	AZ-DH6-1000	AZ-DH6-1300
Min width	INCH	1"					
Max Width	INCH	15,750	23,625	23,625	31,500	39,375	51,125
Max coil weight	POUND	8800,00	8800,00	13200,00	13200,00	13200,00	13200,00
Thickness MAX	INCH	PNEUMATIC PRESSURE ARM : ,100" HYDRAULIC PRESSURE ARM : 1/4"					
Uncoiling direction		Top or Bottom/ Clockwise or Counterclockwise					
Expansion type		Hydraulic					
COIL I.D MIN	INCH	18,875					
COIL I.D MAX	INCH	22,000					
COIL O.D	INCH	63,000					
Max speed (inch/s)	INCH/S	15,00					
Air	PSI	80PSI					

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Max speed (inch/s)	INCH/S	15,00					
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AZ-DH



- Rigid & Solid Steel welded structure
- High quality steel with
- Optional hydraulic shifting head
- Custom painting available

- Optional Pressure arm
- Optional alignment lower arm
- Custom Controls available





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www.azimuthpress.com



Feed-line

We excel in providing turnkey solutions with our custom servo feeding systems, designed to accommodate a wide range of materials—from thin sheets to automotive-grade thicknesses. Our dedicated approach ensures that each system is tailored to meet your specific production requirements, enhancing efficiency and performance.

Turn-key solution

At Azimuth, we specialize in creating customized production lines tailored to your exact specifications. Simply send us your part drawings, and our experienced team will develop a solution designed to maximize efficiency and elevate performance across your operations. As part of our commitment to quality, we'll rigorously test and run your production setup before shipment, ensuring flawless installation and seamless integration when it reaches you.



We are committed to delivering high-quality, innovative automation solutions tailored specifically for the stamping industry. Our UL certification underscores our dedication to safety and excellence, ensuring that our custom-built systems meet the highest industry standards.