

A large industrial machine, the AZIMUTH 3in1 line, is shown in a studio setting. It consists of a large, dark, circular top section with the brand name 'AZIMUTH' printed on it. Below this is a complex mechanical assembly with a clear safety enclosure. The machine is mounted on a sturdy, dark metal base with four legs. A white hose is connected to the side of the top section.

3in1 line
Decoiler-Straightener-Feeder

Model
AZ-DSF2

Decoiler Straightener Feeder

AZ-DSF2



Combined unit

Our DSF2 combined all the conventional equipments for stamping presses into one single unit controlled by 1 unique touch screen. By using our DSF1 unit, you will save up to 50% of space compared to your traditional line. With over 100 jobs memory, our DSF2 will get the job done.



	DSF2-400	DSF2-600	DSF2-800	DSF2-1000
Max Width	15 ¾"	23 ⅝"	31 ½"	39 ⅜"
Thickness MIN	0,020"			
Thickness MAX	0,1875"			
Material I.D MIN	18 ¾"			
Material I.D MAX	20 ¾"			
Material O.D	48,00			
Coil weight MAX	11000,00		15400,00	
Max speed (inch/s)	15,75			



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Decoiler

- Hydraulic spindle expansion from 470mm to 530mm
- Variable speed drive for a variable un-coiling speed
- Pneumatic coil hold-down arm prevents material rebound and guarantees safe operation
- Adjustable coil guides assembly for stable uncoiling process and prevent coil movement
- Pneumatic coil hold-up arm for smoothly threading
- Pneumatic disk brake system
- Infrared photoelectric sensing loop control

Servo Straightener feeder

- Pneumatic swing arm for coil threading assist
- Self-centering coil guide rollers
- 7pcs high-quality GCr15 straightening rollers, with bottom gear drive, up4/down3
- Worm gear adjustment of upper rollers
- Pneumatic upper rollers release
- Motorized pass line height adjustment +/-100mm
- Adjustable tailout support bracket for smooth delivery of material from the feeder to the press



Optional features

- Optional coil car for ease of operation
- Motorized coil guide adjustment
- Rubber for upper pinch roller
- Motorized straightening value adjustment
- Openable straightener upper rollers
- Custom controller & custom features

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Servo-Straightening capacities will be affected with wider material. The graphic below represents machine capabilities at full width.

