

Isolation of Safety Critical Functions
on our Machines and Equipment are
Engineered in Accordance with the
Relevant Standards



ABN: 81 113 707 092

HAZARD ANALYSIS + SAFETY FUNCTION + RISK
ASSESSMENT = SAFETY INTEGRITY.

THINK SAFE, WORK SAFE - BE SAFE

YOU CAN DEPEND ON OUR RISK BASED
APPROACH TO ACHIEVE HIGHER LEVELS OF
SAFETY.

General Uncoiler Straightener Heavy Duty

GUS-HD series

The GUS-HD series combines the functions of uncoiling and straightening of coil on a single platform. The key benefit is a significant reduction in space used on your factory floor, but with no compromise in processing speed, reliability and overall performance, giving you a competitive edge.

The system is mounted on a single platform, which maximises rigidity during feeding. The GUS-HD series has been designed and built for precision coil supply into a servo feeder. An AC inverter drive and motor drives the mandrel.



Series	GUS- HD series					
Coil Width (mm)	300	400	600	800	1000	1300
Coil Thickness (mm)	0.8 ~ 6.0		0.8 ~ 5.0		0.8 ~ 3.0	0.8 ~ 2.0
I.D. of coil (mm)	ø508					
O.D. of coil (mm)	ø1200					
Coil Weight (kg)	5000					
Coil Expansion Range	480 ~ 520					
Mandrel Expansion	Manual operation					
Coil Keeper (pcs)	4					
Uncoiler Start	Touch arm					
Pinch Roll (pcs)	2					
Straightening Roll (pcs)	7					
Feeding Roll (pcs)	2					
Straightening Motor	AC Motor					
Feed Speed (M/min)	16					
Hold Down Arm	Air Operated					
Hold Down Arm Wheel	AC Motor					

All specifications, dimensions and design characteristics shown are subject to change without notice.

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General Uncoiler Straightener Heavy Duty

GUS-HD series

Features:

- » Centralised controls for Uncoiler and Straightener provide operators with a single point of control.
- » Mitsubishi PLC Controller Interface.
- » Compact design saves floor space.
- » Manufactured with heavy-duty structural steels to provide a rigid design and structure that enhances reliability.
- » Sensor beam loop control.
- » End of material run out device.
- » Feed line easily adjusted via synchronised worm gear mechanism.
- » Quality Japanese bearings are used throughout.
- » All gears are quenched and precision assembled.

OPTIONS:

- » Hydraulic Mandrel Expansion
- » Coil Car (5 ton)

Uncoiler Features:

- » AC Variable speed drive.
- » Single four-segment link bar style mandrel
- » Optional hydraulic adjustment of mandrel expansion controlled by hand valve or pushbutton.
- » Mandrel pads designed to provide maximum surface contact to ensure minimal distortion and marking of sensitive and light gauge materials.
- » Single end reel configuration.
- » Heavy-duty back plate.
- » 4 Heavy Duty Coil Keepers.
- » Air disc calliper mandrel brake provides proper tension on the coil strip. An air pressure regulator allows the operator to fine-tune the tension for various coil weights.
- » Air operated coil hold down snubber arm with motorised wheel.

Straightener Features:

- » Dual roll material entrance guides.
- » Single roll exit guides.
- » Pivoting type feeder-straightening head for pilot operations.
- » Cluster gear driven straightening rollers.
- » 7 straightening rollers for optimum straightening performance.
- » Full width upper and lower feed rollers.
- » The rollers are manufactured from high rigidity SUJ2 material, stress relieved, heat-treated for deep hardness.
- » All rollers are hard-chrome plated for maximum wear resistance.
- » Upper straightener roll height scales and indicators.
- » Over-rated specifications and generous roll diameters.

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