

Specifications

For
Slitter Line
4.5t × 1550w × 25ton

I. Main Specifications

(1) Input Conditions

- | | | | |
|---|---------------------|---|-------------------------------|
| 1 | Materials | : | HR, CR, Surface Treated Steel |
| | Coil | | |
| 2 | Coil Thickness | : | 0.7 ~ 4.5 mm |
| 3 | Coil Width | : | MAX. 1550 mm |
| 4 | Coil Inner Diameter | : | φ508 mm |
| 5 | Coil Outer Diameter | : | MAX. 2,000 mm |
| 6 | Coil Weight | : | 25,000 kg (MAX) |

(2) Slitting Conditions

- | | | | |
|---|--------------------|---|----------------------|
| ① | Method of Slitting | : | Drive Cut & Pull Cut |
| ② | Speed | : | 100m/min (MAX) |
| ③ | Shaft Arbor | : | φ 230mm |
| ④ | Cutter O.D. | : | φ360mm |

(3) Output Conditions

- | | | | |
|---|---------------------|---|-----------------|
| ① | Coil Inner Diameter | : | φ508mm |
| ② | Coil Width | : | φ2,000(MAX) |
| ③ | Coil Weight | : | 25,000 kg (MAX) |

(4) Line Direction & Line Length

- | | | | |
|---|----------------------------|---|--|
| ① | Line Direction | : | Right to Left from Operator's view point |
| ② | Line Length x Line Width | : | Approx. 29 m×Approx. 10 m |
| ③ | Required Installation Area | : | Approx. 290 m ² |

(5) Electric Data

- | | | | |
|---|----------------|---|------------------------|
| ① | Electric Power | : | AC440V (60Hz) x 3Phase |
|---|----------------|---|------------------------|

③ Motors : See the motor list

(6) Hydraulic : 70kg/cm²

(7) Line History (Manufacturer, Year of Manufacture)

1	1991		Machinery: IDH(Korea)
			Electric: Jusung ENG (Korea)
2	1999	:	Main Motor (DC)
3	2015.10.	:	Overhaul (crew Jack, Bearing, Bearing housing For Slitter Stand)

II. Line Configurations

1. Entry Coil Car
2. Uncoiler
3. Coil Opener & Snubber Roll
4. Pinch Roll & Guide Roll & Table
5. Entry Shear
6. Threading Table
7. Side Guide
8. Pinch Roll
9. Slitter Stand
10. Scrap Winder(2pieces)
11. Loop Table
12. Separator & Tension Pad & Bridle Roll
13. Recoiler & Separator & Pusher
14. Exit Coil Car
15. Electric Equipment (CP · OP)
16. Hydraulic Unit

III. Equipment Specifications

1. Pinch Roll:
φ200 x 1700 mm
2. Roll Flattener
Work Roll (5 pieces)
3. Shear
Hydraulic shear,
Knife specification: 25mm x 80 mm x 1700 mm
4. Side Guide
Center Adjustment Type, AC0.75kw Motor
600 mm ~1550mm

5. Slitter Stand
Arbor φ230mm
Spacer: φ230 mm/280mm x 0.5t mm - 95mm
Knife: φ230mm x φ360 mm SKD-11
15mmx 60pcs
20mmx60pcs
Rubber Ring : φ281mm x φ 362mm

6. Scrap Winder
MAX . 200kg/Drum, Motor 5.5kw
φ700 mm x 600 mm
7. Loop Table
Hydraulic Cylinder
3000 mm x 2000 mm w x 6m(Pit depth)
8. Tension Unit:
Tension Pad with Separator
9. Bridle Roll:
Urethane Coated, φ500 mm x 1700 mm x 2 pieces
- 1 0 . Recoiler:
Drum Type, 508φmm x 1700 mm
With Pusher and Separator
DC 110kw Motor

- 1 1 . Exit Coil Car : Traverse with Hydraulic Pressure

IV. Slitting Strips

Thickness	Cut System	Strips	Line Speed	Remarks
0.8t	Drive Cut	20 Strips	100m/min	
~1.2t	"	20 Strips	100m/min	
~2.3t	"	15 Strips	80m/min	
3.2t	Pull Cut	13 Strips	60m/min	
4.5t	"	7 Strips	50m/min	

V. Features & Weak point

(1) Features;

- 1) Various Coil Available
(Hot Rolled, Pickled Coil, Cold Rolled Coil, Surface Treated Coil)
- 2) 1550 mm width Available
- 3) Lots of spare parts
- 4) Electric Drawings

(2) Weak point;

No Machine Drawings