

# SHANTHI INTERNATIONAL

19/20, Center Point, Indira Gandhi Road, Jamnagar 361008 (India)  
Phone: +91-288-2556671/2556672/2555867 Fax: +91-288-2554254/2751388  
Email: servoday@sify.com – www.servoday.com  
Subject to Jamnagar Jurisdiction

## OFFER BY E-MAIL

TO: **DEAR CUSTOMER,** FROM: **KIRIT MASURIA [DIRECTOR]**  
SENDER'S REFERENCE NUMBER: **SI/2529.** TOTAL NO. OF PAGES INCLUDING COVER: **4 (FOUR)**

## CUT TO LENGTH LINE

LOCATION	:	EUROPE
PRICE	:	<b>ON REQUEST (SUBJECT TO AVAILABILITY)</b>
MAKE	:	SIEMI
COIL WEIGHT	:	30 TONES
COIL WIDTH	:	2050MM
THICKNESS	:	FROM 1.5MM TO 6.3MM
PRESENT CONDITION	:	INSTALLED.

### A – GENERAL CHARACTERISTIC

#### A1 Characteristic Of Material In Entry

Material Hot Rolled Steel Strip  
Breaking Load N/Mm2 Min. Max 520  
  
Steel Strip:  
Width Min 400 Max 2057 Mm.  
Thickness Min 1,5 Max 6,35 Mm  
  
Coil:  
Weight Kg. 30.000 Max  
Inner Diameter Min.508 Max 760 Mm  
External Diameter Min.1000 Max 2200 Mm

#### A2 Characteristic Of Material In Exit

Sheet:  
Width Min 400 Max 2057 Mm  
Length Min 600 Max 12000 Mm

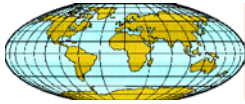
Package:  
Weigh Of Package For Linear-Meter Kg/Ml Min Max 3500  
Height Of Package Min Max 450 Mm  
Weight Of Package Kg Mon Max 10.000  
Evacuation Of Package

#### A3 General Characteristic Of Line

Inlet Speed 15m/Min  
Working Direction Left/Right  
Height Pass-Lime 1000 Mm  
  
Working Speed In Line 15-45 M/Min Thickness Mm.1,5-6,35

#### A4 General Characteristic Of Equipments

Three-Phases Voltage 400-440 V 50 Hz +/- 10% (Alimentation At Client's Care)  
Auxiliaries Voltages 110 V 50 Hz  
Electro-Valves Voltages 110 V 50 Hz



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Hydraulic Equipment:

Nominal Pressure 100 Bar

Pneumatic Equipment:

Nominal Pressure 6 Bar ( Alimentation At Client's Care)

## **B - SUPPLY**

### **B1 Loading Trolley**

- Translation Of Trolley Through Hydraulic Engine
- Lifting Of Chair By Hydraulic Cylinder

### **B2 Mobile Decoiler With Opposed Cones**

- Rotation Of Cones By Nr.2 Hydraulic Engines
- Hydraulic Braking
- Coils Opening-Closing By Hydraulic Cylinders
- Alignment Of Coil With Hydraulic Valve

### **B3 Telescopic Introduction Table**

- Rotation Of Table By Hydraulic Cylinder
- Table Extension-Contraction By Hydraulic Cylinder

### **B4 Device For Centring Of Strip**

- Detection Edge Strip With Photoelectric Group Fitted With Projectors , Receivers And Reflectors
- Position Of Detectors With Hydraulic Engines

### **B5 Straightening Machinery**

- Position Pressure-Roll By Hydraulic Cylinder
- Rotation Pressure Rolls By Hydraulic Cylinder
- Rotation Of Towing Roll And Straightening With Electric Engines In C.C.
- Numeric Indicator
- Positioning Of Upper Straightening Roll With Numeric Indicator
- Positioning Corrector Roll By Hydraulic Engine
- Positioning Corrector Roll By Numeric Indicator
- Positioning Of Upper Towing Rolls By Hydraulic Cylinders

### **B6 Connecting Tables**

- Positioning Of Table Nr.1 With Hydraulic Cylinder
- Positioning Of Table Nr.2 With Hydraulic Cylinder

### **B7 Leveller Fourth, 15 Rolls Diameter 70 Mm**

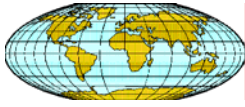
- Rotation Of Roll From Main Control Of Flying Shear-Machinery
- Positioning Of Upper Block With 2 Electric Engines In C.A. Auto-Braking
- Indication Of Position Of Upper Block By Nr.2 Transductions
- Tilting Of Upper Block By Hydraulic Engine
- Indication Of Position Upper Block , Mechanic
- Position Bottom Series Of Backup Rolls With 7 Hydraulic Engines
- Indication Position Series Of Bottom Backup Rolls With 7 Potentiometers
- Lubricating Of Extensions At Oil, Forced
- Lubricating Of Working Cylinders At Oil, Forced

### **B8 Towing Inlet Shear**

- Rotation Upper Rolls With Hydraulic Engine
- Open-Close Of Upper Roll By Pneumatic Cylinder

### **B9 Flying Shear Machinery**

- Main Control With Electric Engine In C.C.
- Speed-Detector On Main Engine With Tachometric Dynamo



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- Electromagnetic Brake For Adjusting Of Blades
- Hydraulic Brake-Discs For Cams-Shaft
- Security Brake-Discs
- Friction Of Engine Hydraulic
- Differential Of Control With Hydraulic Engine
- Speed Detector Of Differential With Impulse Generator
- Digital Device For Calculating Of Cut Length
- General Lubrication With Grease With Motorized Pump

## **B10 Transporter Exit Shear**

- Rotation Of Roll By Hydraulic Engine
- Choice Speed Transporter Of Exit By Hydraulic Cylinder

## **B11 Towing Sketch**

- Rotation Of Rolls Derived By Position Above Mentioned In Point B10
- Open-Close Upper Roll By Pneumatic Cylinders
- Balancing Of Head By Pneumatic Cylinder
- Lubrication Of Reducers At Oil, Forced

## **B12 Stacker**

- Positioning Of Walls By 2 Hydraulic Engines
- Lateral Sheet-Balancing By 2 Pneumatic Cylinders
- Positioning Of Bottom Jig By Hydraulic Engine
- Dumper Of Bottom Jig For Parcel Evacuation With Hydraulic Cylinders
- Positioning Downhill At Program With Nr.2 Hydraulic Engines And Group Of Photocell
- Rotation Of Evacuation-Rolls Of Parcel By Hydraulic Engine

## **B13 Unloading Roller**

- Rotation Of 1<sup>^</sup> Roller With Electric Engine In C.A.
- Rotation Of 2<sup>^</sup> Roller With Electric Engine In C.A. Auto-Braking

## **B14 Hydraulic Equipment Nr.1**

- Pump Nr.1, Line-Service With By-Pass Valves
- Pump Nr.2, Flying Shear-Service With By-Pass Valves
- Pump Nr.3 And Nr.4 , Service Of Alignment And Braking Coil With By-Pass Valve

## **B15 Hydraulic Equipment Nr.2 For Brake-Service/Friction Flying Shear**

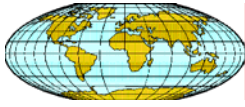
- Pump Nr.1 And Nnr.2 For Lubricating And Feeding Brake/Friction

## **B16 Hydraulic Equipment Nr.3**

- Pump Nr.1, Line-Service With By-Pass Valve
- Pump Nr.2, Flying Shear Service With By-Pass Valve
- Pump Nr.3 And Nr.4 , Coil Alignment And Braking Services With By-Pass Valves

## **B17 Electric Equipment**

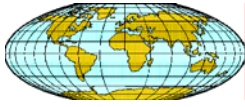
- Equipments With More Panels, Containing Control Devices, Control And Adjustment For Driving In C.A. And C.C. Of Line
- Main Pulpit Type Lectern, Containing Equipments And Devices Necessary For Line Control.
- Service-Station Nr.1, Containing Devices For Manoeuvre And Service In Entry Zone.
- Service-Station Nr.2, Containing Devices For Manoeuvre And Service In Exit Zone.
- Service-Station Nr.3, Containing Devices For Manoeuvre And Service Hydraulic Equipment Nr.1
- Service-Station Nr.4, Containing Devices For Manoeuvre And Service Hydraulic Equipment Nr.2
- Service Station Nr.5, Containing Devices For Manoeuvre And Service Trolley Carry Rolls.



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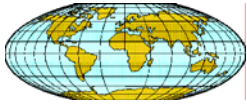




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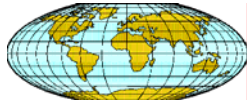
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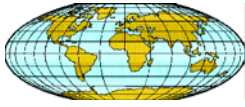
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