

## Equipment of the Rebars Rolling Mill of GASSCO - LINE B

### Equipment Distribution

#### 1 1 Fuel Oil Handling Center

- a Fuel Oil Main Tanks - Qty 3
- b Fuel Oil Service Tank - Qty 1
- c Pumping Station and Piping
- d Heaters Station and Piping

#### Furnace - Equipment And Auxilliaries - NOT AVAILABLE

#### 2 1 Roughing R520 Center

- a Fixed Table - Conveyors, Separating Guides Walls, Motors
- b **Stand 0** -3Hi Roughing Stand R520 - 7 Passes - Complete With Guides and Rolls
  - 1- Electric Motor 1000kw - AC
  - 2- Flywheel Unit
  - 3- Gearbox - Reduction
  - 4- Pinion
  - 5- Spindles
  - 6- Couplings on each of the above Machines
- c Tilting Table (Fixed) - Conveyors, Guides, Upward Conveyor, Motors

#### 3 1 Intermediate - Continuous Line - 4 Stands

- a **Stand 1** - Intermediate Stand DL320 - Complete With Rest Bars, Guides and Rolls & Couplings
    - 1 - Electric AC Motor 250KW with Pulley
    - 2 - Flywheel Pulley and Couplings
    - 3 - Gearbox - Reduction - With Coupling
    - 4 - Pinion
    - 5 - Spindles - Qty 2
  - b **Stand 2** - Intermediate Stand DL320 - Complete With Rest Bars, Guides and Rolls & Couplings
    - 1 - Electric AC Motor 250KW with Pulley
    - 2 - Flywheel Pulley and Couplings
    - 3 - Gearbox - Reduction - With Coupling
    - 4 - Pinion
    - 5 - Spindles - Qty 2
  - Flying Shear CV30** - Tip and Tail, and Emergency, with Flip Discharging device - AC Motor
  - c **Stand 3** - Intermediate Stand DL320 - Complete With Rest Bars, Guides and Rolls & Couplings
    - 1 - Electric AC Motor 205KW with Pulley
    - 2 - Flywheel Pulley and Couplings
    - 3 - Gearbox - Reduction - With Coupling
    - 4 - Gear-Pinion
    - 5 - Spindles - Qty 2
  - d **Stand 4** - Intermediate Stand DL320 - Complete With Rest Bars, Guides and Rolls & Couplings
    - 1 - Electric AC Motor 205KW with Pulley
    - 2 - Flywheel Pulley and Couplings
    - 3 - Gearbox - Reduction - With Coupling
    - 4 - Gear-Pinion
    - 5 - Spindles - Qty 2
- OIL Service Tank**

**4 1 Finishing - Continuous line - 8 Stands**

**Pinch Roll**

**Strappo Shear**

- a **Stand 5** - Finishing DL300 - Complete With Guides and Rolls
- 1 - Electric DC Motor 147KW With Pulley With Air Fans for Cooling
  - 2 - Flywheel Pulley and Couplings
  - 3 - Spindle
  - 4 - Gear-Pinion
  - 5 - Spindles - Qty 2

- b **Stand 6** - Finishing DL300 - Complete With Guides and Rolls
- 1 - Electric DC Motor 147KW With Pulley With Air Fans for Cooling
  - 2 - Flywheel Pulley and Couplings
  - 3 - Spindle
  - 4 - Gear-Pinion
  - 5 - Spindles - Qty 2

**Looper**

- c **Stand 7** - Finishing DL300 - Complete With Guides and Rolls
- 1 - Electric DC Motor 147KW With Air Fans for Cooling
  - 2 - Gearbox
  - 3 - Spindle
  - 4 - Pinion
  - 5 - Spindles - Qty 2

- d **Stand 8** - Finishing DL300 - Complete With Guides and Rolls
- 1 - Electric DC Motor 147KW With Air Fans for Cooling
  - 2 - Gearbox
  - 3 - Spindle
  - 4 - Pinion
  - 5 - Spindles - Qty 2

**Flying Shear CV30 - Tip and Tail, and Emergency, with Flip Discharging device - DC Motor**

**Looper**

- a **Stand 9** - Finishing DL300 - Complete With Guides and Rolls
- 1 - Electric DC Motor 147KW With Pulley With Air Fans for Cooling
  - 2 - Gearbox
  - 3 - Spindle
  - 4 - Gear-Pinion
  - 5 - Spindles - Qty 2

- b **Stand 10** - Finishing DL300 - Complete With Guides and Rolls
- 1 - Electric DC Motor 147KW With Pulley With Air Fans for Cooling
  - 2 - Gearbox
  - 3 - Spindle
  - 4 - Gear-Pinion
  - 5 - Spindles - Qty 2

**Looper**

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c **Stand 11** - Finishing DL300 - Complete With Guides and Rolls

- 1 - Electric DC Motor 184KW With Air Fans for Cooling
  - 2 - Gear-Pinion
  - 3 - Spindles - Qty 2
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d **Stand 12** - Finishing DL300 - Complete With Guides and Rolls

- 1 - Electric DC Motor 184KW With Air Fans for Cooling
  - 2 - Gear-Pinion
  - 3 - Spindles - Qty 2
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**Oil Tank**

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**5 1 Finishing - For 6 mm.**

- 1 - BGV Bloc - For 6 mm.
  - 2 - Electric DC Motor
  - 3 - Gearbox
  - 4 - Oil Tank
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**6 1 Finishing Equipment**

- a Pinch Roll - Qty 1
  - b Flying Shear CV30 - Tip and Tail, and Emergency, with Flip Discharging device - DC Motor
  - c **Cooling Bed** Complete
    - 1 - Breaking Slide Apron System
    - 2 - Transfer Roller Table 36 meters
    - 3 - AC Motor And Gear
    - 4 - 36 X 5 meter Rack
    - 5 - Roller Table Transfer to Cold Shear 40X1 meters, With AC motors
    - 6 - Hydraulic Station With All Fittings and Mechanical System
  - d **Double Channel** Complete
    - 1 - Double Pinch Roll
    - 2 - Double Tail Brake Pinch Roll
    - 3 - Double Channel Guides
  - e **Cut To Length And Finishing Area**
    - 1 - Cold Shear CM100
    - 2 - Length Adjusting Bridge for Final Size cutting - Conveyor
    - 3 - Transfer Device - Roller table
    - 4 - Bundling Station
    - 5 - Collecting Area With Roller Table
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**7 1 Main Weighing Station**

- a Bridge with Load Cells complete
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**8 1 Overhead Cranes**

- |   |                                   |                               |
|---|-----------------------------------|-------------------------------|
| a | Overhead Crane SWL 5 Tons - Qty 1 | Billets Handling and Charging |
| b | Overhead Crane SWL 5 Tons - Qty 1 | Line and Cooling Bed          |
| c | Overhead Crane SWL 5 Tons - Qty 1 | Stock of Finished Product     |
| d | Overhead Crane SWL 5 Tons - Qty 1 | Workshops                     |

**9 1 Electrical Station**

- |   |   |                                |
|---|---|--------------------------------|
| a | Main Station - High To Medium Voltage Transformers Complete         |                                |
|   | 1 - 33000 - 3000 1.5MVA   | With Manual Switch and Breaker |
|   | 2 - 33000 - 500 2.5 MVA   | With Manual Switch and Breaker |
|   | 3 - 33000 - 400 1 MVA   | With Manual Switch and Breaker |
| b | Low Voltage Substation Complete with Electrical Boards and Controls |                                |
| c | Cables  | Part of the Cables             |
| d | Other Electrical Accessories  |                                |

**10 1 Spare Parts - In Line A Shops**

- |   |  |
|---|--|
| a | Full sets of brand new Rolling Rolls for all the Line, From Roughing till finishing stands |
| b | Full sets of brand new Bearings for all the Stands But Not for the Roughing Stand          |

**11 1 Air Compressors Station**

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|---|-------------------------|
| a | Air Compressor - 600cfm |
|---|-------------------------|

**12 1 Cooling Water Station**

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|---|---|
| a | Cooling of Machinery Station - 2 Pumps Complete with Motors And Accessories |
|---|---|

**13 1 Hangars - All 19 meter wide**

- |   |  |
|---|--|
| a | Hangar - Qty 1 - Big - Rolling Mill - Complete       |
| b | Hangar - Qty 1 - Medium - Billets Storage - Complete |
| c | Hangar - Qty 1 - Small - Stores of Spare Parts       |
| d | Hangar - Qty 1 - Medium - Workshops                  |