L-TEC Steel Industry Products offer the ideal equipment for low-cost deburring of continuous cast slabs and blooms. Mechanical deburring of cross cut slabs provides many advantages.

ADVANTAGES INCLUDE:

- Lowest initial and installation cost, lowest operating cost (electric and hydraulic), and lowest maintenance compared to competitive equipment
- Four edged blades extend service life and allow the operator to use one side for narrow and one side for wide slabs
- Tilting deburring blades that remove burr from cross cut ends of slabs
- Reduction of time and cost associated with the handling of hand scarfing or other removal methods
- Possibility to interface with mill hydraulics, PLC, and computer systems
- Consistent steel quality
- Low noise, simple operation

L-TEC’s tilting dross removal blade and dross removal table eliminate cutting dross problems, as well as additional handling and hand scarfing operations required to remove the cutting dross (also called kerf, burr, beard, or slag) from continuous-cast or other torch cut product.

Dross removal equipment is typically installed in the continuous casting line downstream of the cut-off machine. The dross blade effectively eliminates the cutting dross beneath both ends of slabs. The blade and table may be either operator controlled or interfaced with mill hydraulics, programmable controllers, and computer systems. The low initial cost of dross removal equipment, as well as the low costs associated with its installation, operation, and maintenance, makes this equipment particularly suited to today’s competitive steel industry.

TILTING DROSS BLADE.

The dross blade is used to remove the dross/slag from both ends of a flame-cut continuous cast slab. The machine normally mounts between rolls in the caster run-out line, and the double-edged blade is used for front- and tail-end dross removal. The dross is sheared by the blade as the slab passes over the edge.

The dross blade is hydraulically powered and can be supplied with hydraulic fluid from existing caster hydraulics. Stand-alone hydraulic power units are also available. The machine is usually controlled by a PLC that is interfaced with the caster controls and sequencing. Special features include self-sharpening blade edges.
EQUIPMENT INCLUDES:

- **Base plates** – mount blade assembly to proper elevation for deburring.
- **Heat shields** – protect deburring equipment from harsh environment.
- **Pillow block expansion.**
- **Pillow block non-expansion** – tapered roller bearings support the blade and are used as positioning bearing.
- **De-burring blade** – replaceable blade edges used to shear dross from slabs.
- **Positioning cam** – positively locks blade in horizontal position between cycles.
- **Hydraulic motor.**
- **Transducer** – senses rotary position of blade shaft for PLC controls.
- **Manifold** – hydraulic connection ports for customer-supplied hydraulics and valve stand interconnection.
- **Transducer junction box** – provides electrical tie points for customer wiring of rotary position transducer and sensor.

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L-TEC Steel Industry Products – over 75 years and steel perfect.

L-TEC is a world leader in the manufacturing of mechanized scarfin machines and related equipment. With more than 120 scarfin machines in operation worldwide, L-TEC has pioneered the technology that today helps steel mills minimize defects and produce more high-quality steel – yielding less scrap and more satisfied customers. Whether your application demands the highest quality steel surfaces, or you simply want to maximize the quality you deliver to your customers, mechanized scarfin may be the answer. L-TEC is the name you can rely on for quality, integrity, and service.

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