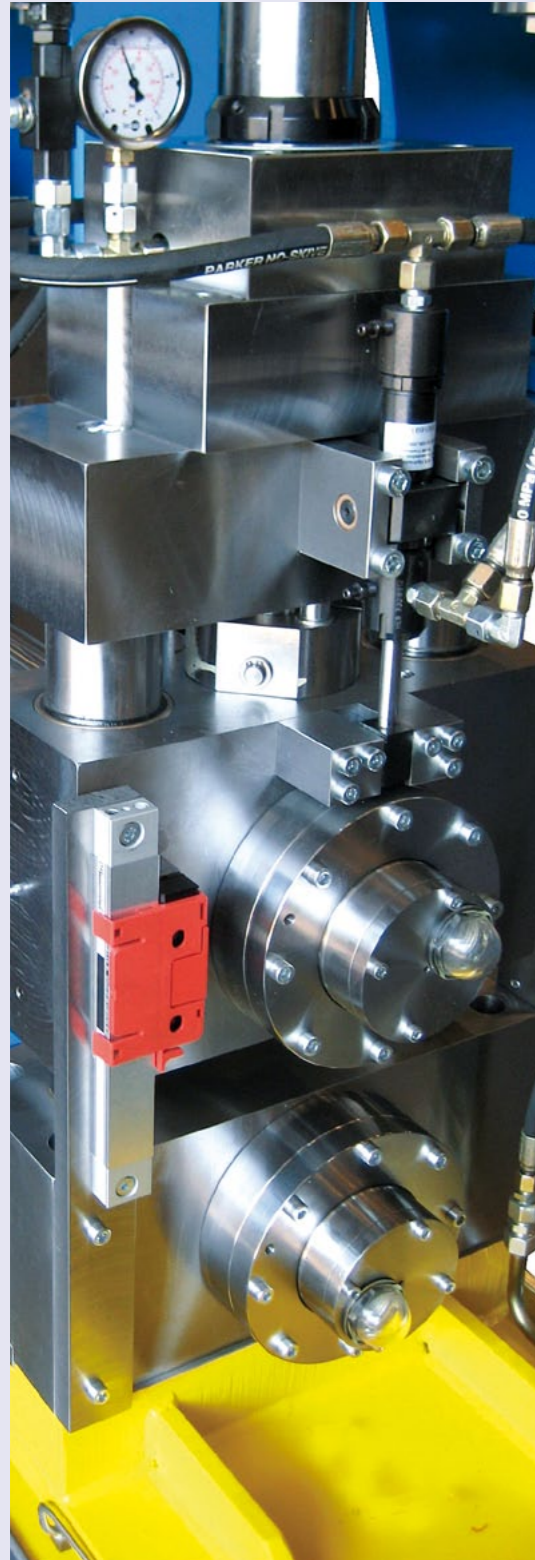


Cut-to-length and slitting lines

hpl-Neugnadenfelder Maschinenfabrik





Cut-to-length and slitting lines

hpl-Neugnadenfelder Maschinenfabrik GmbH designs and manufactures cut-to-length and slitting lines as complete systems for all ferrous and non-ferrous metals as well as special materials with metallic or coated surfaces. We focus on slitting shears for hot rolled steel and shears for thin strips, offering our customers best quality and highest possible productivity.

TECHNOLOGY FOR HIGHEST DEMANDS

The decisive factors for an uncompromising quality in the cutting process of cold rolled strips are: adherence to narrow cutting tolerances, burr-free cutting as well as the precise recoiling of the cut strips. The cut-to-length and slitting lines manufactured by hpl-Neugnadenfelder therefore consist of highly specific precision shears especially designed for cutting thin metal strips all the way up to metal foils.

The core element of our slitting shears is the knife shaft. All knife shafts are manufactured entirely in-house, enabling us to offer our customers unsurpassed quality:

- Highest precision of the knife shaft bearing
- Lower knife shaft infinitely variable in axial direction
- Knife shaft adjustment by servomotor via low-backlash, pre-stressed ball screws
- Automatic opening and closing of the front shear housing part of standard equipment
- Extremely high concentricity and plane parallelism

The high degree of precision in our slitting shears enables line speeds of up to 1,000 m/min at constant quality.

Our new development in the cut-to-length product range is called flying cross-cut shears. This kind of shears avoids stopping the strip during the cross-cut process, thus allowing a continuous line operation and a corresponding productivity increase.

Each line is individually planned and designed based on the conditions on site and the product mix of the customer. These customer-specific line concepts include:

- Loop pits, braking units and recoilers
- Direct strip spooling, incl. guide mechanism (starting from 1 up to required number of recoilers)
- Alternating recoiling of single strips, incl. guide mechanism (starting from 1 up to required number of recoilers)

QUALITY YOU CAN RELY ON

All lines are manufactured fully in accordance with the well-established principles of hpl-Neugnadenfelder Maschinenfabrik:

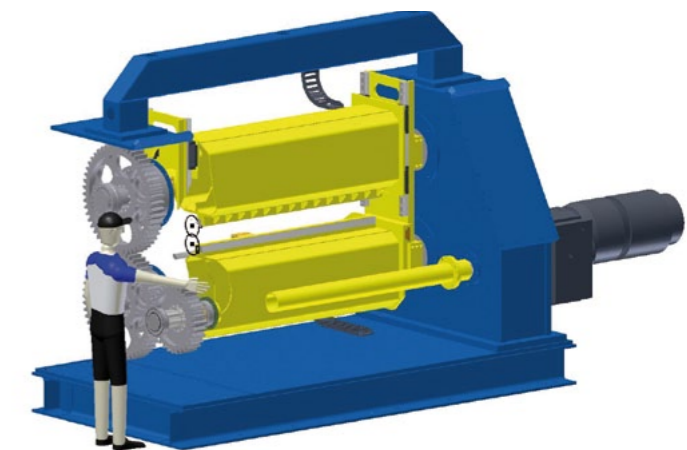
- Uncomplicated operation and easy handling
- Highest possible automation
- Ease of repair and maintenance
- Short assembly and commissioning times
- Minimal set-up times
- Solid construction
- Long lifetime

Our cut-to-length and slitting lines also of course comply with the strict provisions of the EC Machinery Directive.

For all our products we offer a proactive after-sales service throughout the entire lifetime which also includes the supply of required spare parts. Due to its high degree of vertical integration of manufacturing, hpl-Neugnadenfelder is able to guarantee a fast and uncomplicated spare parts supply of key parts and components even decades after a line has been commissioned.



Slitting line for thin strips equipped with eight recoilers and a trimming scrap exhaust unit



Flying cross-cut shears



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