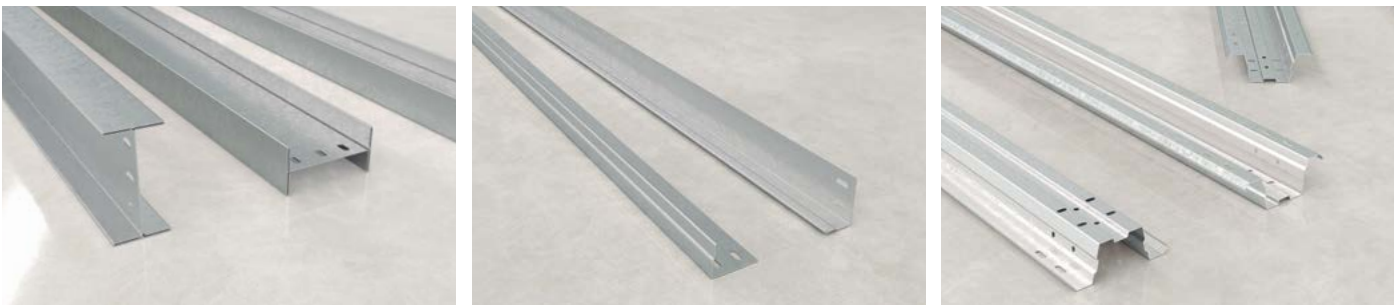
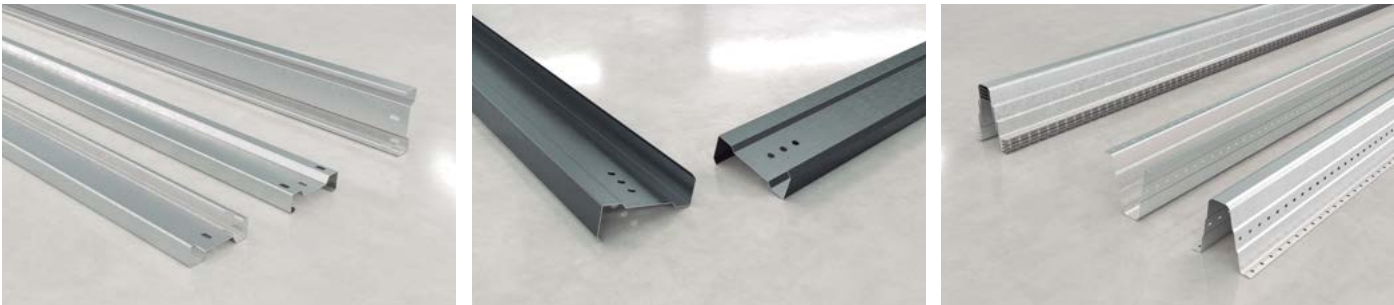


FIELD OF ACTIVITY

In our daily lives, we are surrounded by products with components produced by VLB profiling machines. In the energy sector, for example, the full range of profiles for solar panels, cable trays, rail supports, constructions and DIN profiles for switch cabinets. In construction; roof and facade panels, sun protection, U, C and Z construction profiles, garage doors and accessories, scaffolding and platforms, formwork, profiles and panels for suspended ceilings, plasterboard profiles and guide profiles for lifts. In the field of logistics; industrial pallet racks, shop shelves, metal cabinets and much more. Also in sectors such as automotive, agriculture and infrastructure.



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VLB GROUP

GENERAL CATALOGUE
ROLL FORMING LINES

COMMITMENT



quality equipment and technology, but also with a superior service on after-sales and technical support. Customers for life ...

STATE-OF-THE-ART-MANUFACTURING

We strive not only for excellence in human resources, but also in the ultra-modern production facilities that cover an area of more than 10,000 m2. The machinery consists entirely of CNC equipment from the world's leading manufacturers. To improve efficiency, these machines are strategically placed in an exclusive production hall with a surface area of 3,000 m2. The programming is centralised in a specialised CAM department from which production is monitored by dozens of specialised technicians.



TOP LEVEL ENGINEERING

Although the name VLB is a recent brand in the market, our team has dozens of years of accumulated experience in metalworking machinery, especially in tube and plate forming. The search for excellence is in the company DNA. We have scouted and incorporated experienced professionals, in all aspects of the process: research and development, the manufacturing process, software development, automation and so on. In addition to the constant dialogue with our customers, we actively cooperate with universities and scientific institutes in order to develop new solutions. This mentality enables us to always stay one step ahead in responding to current needs, and especially to be prepared for the challenges within the current industrial environment.

VLB develops, produces and installs roll forming lines and provides technical support. The design of the VLB roll forming machines is based on decades of experience in the sheet metal processing industry. All automatic sheet metal forming lines have been developed in close collaboration with our customers to meet all specifications. In terms of geometry, precision and stability of the profiled product, but also in terms of productivity and automation needs.

COIL UNWINDING MACHINE

It all starts with an unwinding machine. The VLB programm ranges from simple and light to the most robust (20 tons) versions; powered, with variable speed laser sensors and powerful integrated coil loading and unloading system.



Hydraulic loader for coils

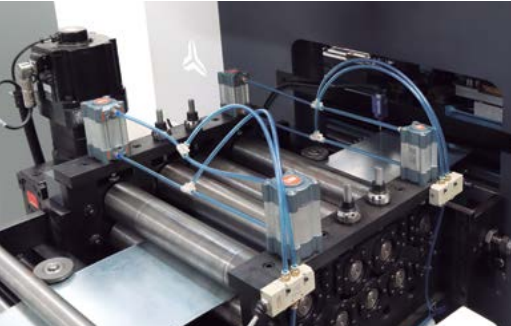


PUNCHING MACHINE

Depending on the specifications of the finished product, a punching machine can be integrated into the roll forming line, either as a compact part of the line or as a standalone station, equipped with servo-controlled drives and touch screen programming for high accuracy and speed. The tools can be single or multiple, with independent pneumatic drive and CNC programming.



Punching station with multiple tools



Servo controlled feeder with pneumatic adjustment



Multiple tools with pneumatic adjustment



Mechanical press with fix tool



CONTROL

Components are integrated in the automatic VLB roll forming lines. They are individually controlled by a powerful and intuitive CNC controller. This guarantees the connection between all process steps from the plate spool to the automatic unloading table.

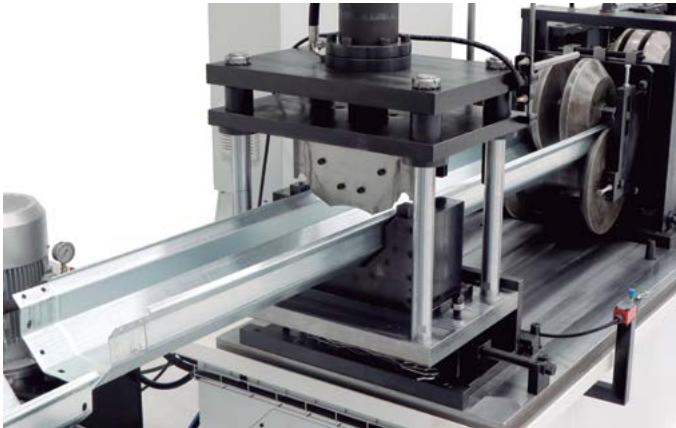
ROLL FORMING STATIONS

Depending on the application and versatility desired by the customer, the profiling lines can contain different systems such as quick-change cassettes, adjustable tools for producing profiles of different sizes, multiple tools for producing different profiles in the same arrangement, double roller sets with shared motorization, etc.

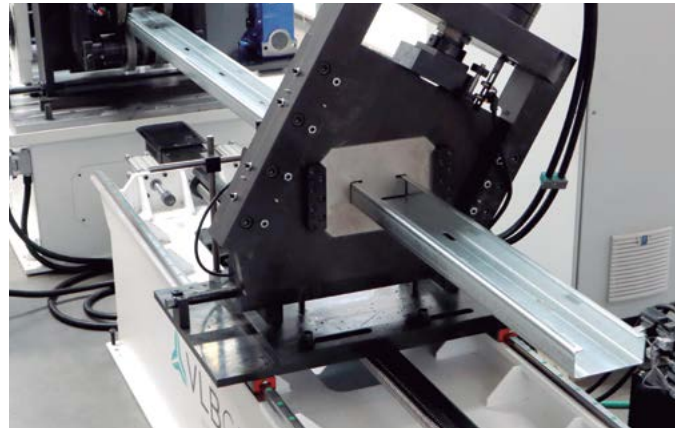


CUTTING AND UNLOADING PROFILES

The cut can be performed by a stationary saw, which makes the cut during a short stop, or by a high speed, servo-controlled cutting station. Last mentioned system allows the production of profiles without stops. In that case, our automatic unloading system must be used. It is of course possible to make straight cuts without waste, but also cuts at an angle. The unloading systems are developed customer-specific, such as unloading on both sides in combination with a stacking or pallet table.



Cut and conformation in stand station



Servo controlled fly-cut



Downloading table



Automatic download with pallet table



Nothing has been left to chance; our automatic profiling lines are future-proof. New roller sets or modules can always be added later. The RF series roll forming lines are fast, accurate and flexible, allowing sheet thicknesses from 0.3mm to 12mm at sheet widths up to 1400mm. The VLB sheet metal roll forming machines contain highly innovative solutions and have proven themselves in a wide range of sectors in construction, logistics, automotive, agriculture, road safety, consumer goods and much more.