



More than 25 years experiences

SMITH FERRAM



SMITH FERRAM is the merger of two significant companies in the field of aluminium processing and handling equipment – SMITH Aluminium Norway and FERRAM Czech Republic. Thanks to years of experience, professional, technical and production potential, SMITH FERRAM certifies its unique position within world suppliers of equipment for log- and billet handling for foundries and extrusion plants.

We are able to solve your global requirements at attractive prices

About SMITH

Smith Aluminium has served the international extrusion industry for more than 25 years. Our tradition is to supply the latest technology within handling equipment. The main parts of the deliveries are done to Europe and North America, but some deliveries have also been carried out in Australia and Japan.

About FERRAM

Since it was founded in 1991, our Division has enjoyed a solid position on the market for machinery production both at home and abroad, thanks to our quality, reliability, tradition, and experience.

The main focal points:

- handling equipment
- the production and assembly of special equipment and components in accordance with the documentation provided
- mining conveyors equipment

Our partners come mostly from the EU, Scandinavia and USA, and are leaders in their field.

Water/air Quenches

Fast and controlled cooling of profiles, especially designed for the automotive alloys.

Excellent repeatability through automatic setting of recipes for each individual tool guarantees top quality extrusion.

Optimal control through special nozzles where large volumes of low pressure air accelerates the water spray.



Water Quench

RunOut

Gentle handling of all shapes of profiles

Easy maintenance

Modular systems

- Easy to extend*
- Easy to change*



Runout roller conveyor and overhead air cooling system

Smith Doublepuller

Flying cut in the weld mark reduce the scrap by 1,5 -2,5 %

Independent of the press dead cycle

5 different programs as standard



Doublepuller



Stretchers from 10 –200 ton

*Stretcher heads with scroll plates
reduces the scrap.*

*Stepless positioning of the
tailstock simplifies the fully
automatic stretching.*



200 Ton Stretcher

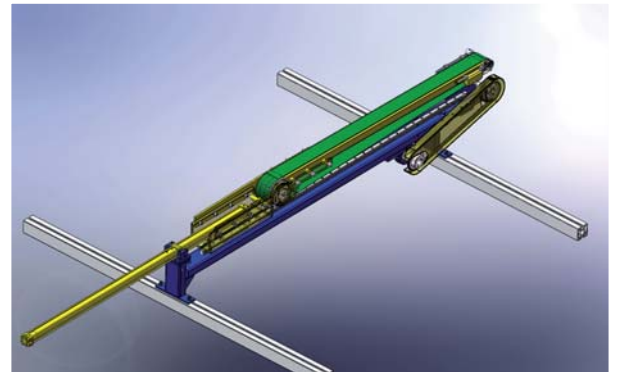


Stretcher

Belt system



Kevlar belt



Kevlar belt

Saw feed roller

Digital saw Gauge



Saw feed roller conveyor



Digital saw Gauge

Double Saw, Finish Saw

Two overtable saws run on linear bearings. Double the saw capacity by simultaneous cutting of two customer lengths with the same accuracy as a standard saw. Easy to retrofit in an existing saw line



Double saw



Cold saw

Reliable Profile Stackers

20-22 sec. cycle time.
Stackers for 14 m profiles.
Reliable spacer distribution systems.



Profile stacker and basket handling system



Profile Stacker



Stacker - destacker and basket handling system



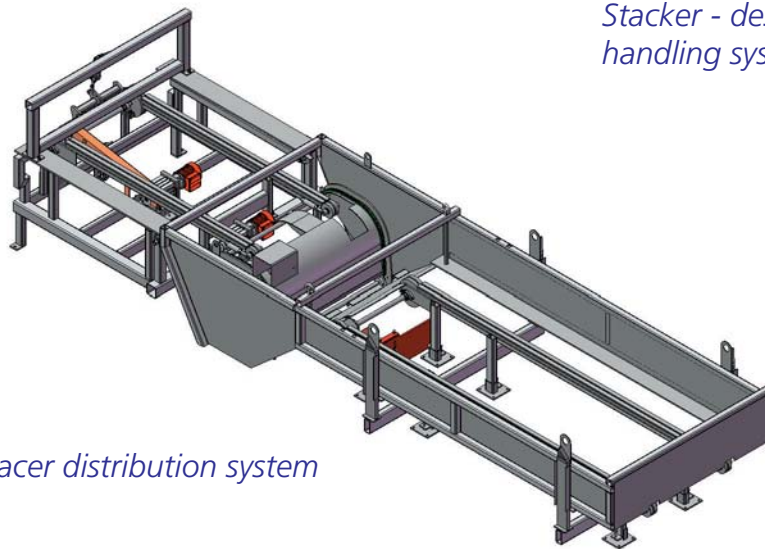
Profile Stacker



Saw table and belts



Stacker - destacker and basket handling system



Spacer distribution system

Handling and Packing profile system



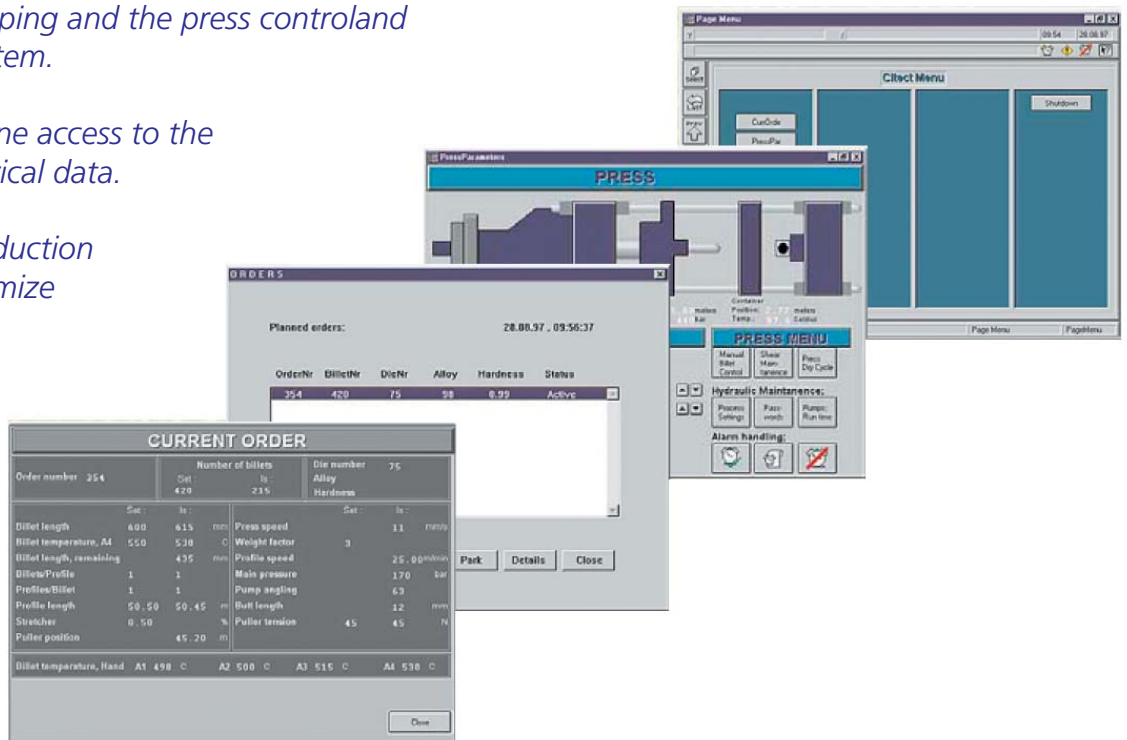
Complete profile baskets handling and packing system

Optex: Optimal Extrusion Control System

Replaces the production planning system, the tool housekeeping and the press control and optimisation system.

Management online access to the process and historical data.

Maximize the production capacity and minimize the down time.

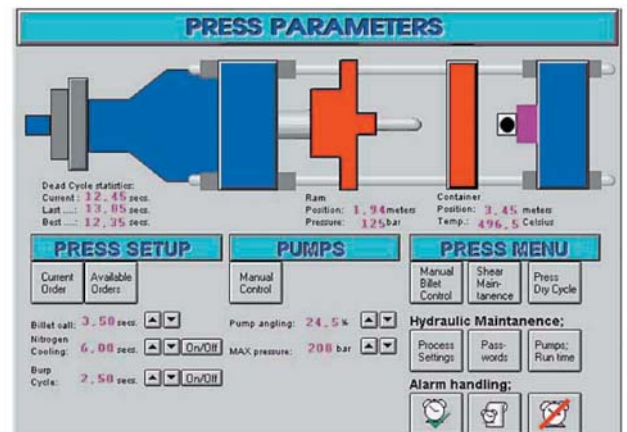


State-of-the-art control system

Operator interface designed to give the optimum access to the press control for the different users.

Modern engineering and programming techniques.

Reduced maintenance, short dead cycle, high quality and reliability.





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