



## THE SHULTZ STEEL COMPANY

The Shultz Steel Company has enjoyed a reputation for supplying the highest quality products to domestic, industrial and commercial customers since 1947. We have used the same exacting standards to manufacture roll shells, coils and assemblies for the Continuous Aluminum Strip Casting industry for the past 37 years.

Shultz Steel roll shells are made of patented specialty steel alloys with the trademarks T-344 and HS-321. These alloys offer superior resistance to surface heat checking which results in longer service life and higher profits for customers. We also supply technical service and advice to customers as they work to optimize the strip casting production rates in their plants.

All Shultz Steel roll shells and coils are custom produced to meet the specific needs of each customer. From the initial ladle deoxygenated chemistry of each alloy through forging, heat treating and final leveling operations, each stage of the production process is closely controlled and meets industry standards of quality. As the industry has evolved, Shultz Steel has continually updated its product line to meet the demands of new technologies, including the advent of high speed casters. We are currently in the process of developing new products for even faster strip casting and these will be available in the very near future.

and technical credentials of our workforce. In total, we have 17 casters, as well as four sheet-rolling mills and nine foil-rolling mills. "In our business, we have two mainline products, because we buy our raw materials in the shape of ingots and billets," he tells us. "These are sourced from various countries, including Russia, the Middle East, South America and the Turkish states. We turn them into flat products, although depending on the thickness, they will be sold either as foil – less than 0.22 millimetres thick – or sheet, which is up to four millimetres thick. Of course, there are many different kinds of widths, lengths and alloys, but this is basically the nature of our product portfolio. Our customers

buy our goods as semi-finished products and use them for various applications, such as cars, white goods, construction and packaging, where they are instantly recognisable as yogurt tops.

"At present, and if you look at the tonnages, I would say that construction represents the highest volume, followed by packaging, white goods and the automobile sector," Mr Ömök clarifies. "Indeed, the white goods sector is a technically demanding field, so our quality control checks have to be even more rigorous than usual during the manufacturing process. In Turkey, we are the market leaders by some distance, with a 60 percent share at the moment. When you look at the export market, we do very well in countries such

as Germany, the UK, France, Italy, Spain, the Benelux countries – basically, Northern Europe is our bread-and-butter. Indeed, we have been steadily increasing our export sales in recent years, although Eastern Europe is also looking increasingly positive, with Poland doing especially well."

### Excellence as standard

As well as conforming to ISO 9001 standards for quality management, Assan Aluminium has constructed its own quality systems in collaboration with its stakeholders. "Total quality at the company is informed by the EGQM Excellence Model and galvanised through the total participation of all the employees. Our mission in this sense is to promote a 'zero defect'."

## BRUNO PREZEZZI

BRUNO PREZEZZI is an Italian engineering and manufacturing company producing machinery for the production of aluminium strip (twin roll continuous casting lines). Five machines have been installed in Italy, one is working in Turkey, and two complete lines, with related melting and holding furnaces, are to be completed in Dubai.

BRUNO PREZEZZI has been active for over 30 years worldwide, as a reliable supplier of cores and shells for twin-roll casters, with top performance for durability and strip productivity. The PREZEZZI shell patented design and the new steel grades under development allow even better strip productivity because of the improved cooling efficiency.

## SALMEC

In year 2008, Assan Aluminium selected Spanish Salmec as the supplier for their new state-of-the-art cut-to-length line for its Dilavast plant. The line included a heavy duty precision leveler with fast cassette change, a paper and plastic interlocking unit with automatic feed, a high capacity eccentric rotary shear and a vacuum stacker of "zero inertia" principle, as its main equipment. 12 months later, the line was delivered and commissioned by Salmec's specialists and the acceptance certificate was signed without any pending issue. The same day as PAT was signed by the parties, Assan ordered a new slitting line from Salmec, currently under construction.

**ALUMINIUM STRIP CONTINUOUS CASTING LINES**

Bruno Prezezzi SpA supplies complete continuous casting lines for the production of aluminium strip, from engineering to construction, delivery and start-up, providing customers with its extensive experience and knowledge of the process. Upon customers' request, also turn-key complete casting plants can be supplied, from metal melting to coil annealing.





**NEW PRODUCTS FROM BRUNO PREZEZZI**

Bruno Prezezzi SpA officially acquired all the worldwide exclusive rights of the company Akers AB related to the production and marketing of shells & cylinders for aluminium continuous casting lines.

Bruno Prezezzi SpA will continue to take care of Akers AB present customers supplying high quality products.

Akers AB transferred the following trademarks of steel for the manufacturing of shells for continuous casting lines:

**CASTA MO22**  
**CASTA CMV**  
**CASTA SPMC**  
**CASTA ASG2**

**TWC ROLL SHELLS**  
Bruno Prezezzi SpA supplies casting shells using the most advanced and technologically up-to-date material. Outstanding quality comes from the tight control of the entire process, from ingot melting to forging and heat treatment, and has been proven through more than 30 years of operation, with full satisfaction of the customers in terms of durability and production.



**TWC ROLL CORES**  
These parts, supplied by Bruno Prezezzi SpA, and whose construction procedure has been continuously adjusted during the years, have had very positive outcomes being accepted by all primary users in the world for more than 30 years.



**PATENTED SHELLS (EP122004)**  
As a plus Bruno Prezezzi SpA can supply its Patented shell & core assembly with grooves for cooling water in the inner face of the shell. Widely utilized in mass production, this configuration has shown improved products, better temperature uniformity, reduced fatigue and very short working time for cores reconditioning.



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- Coil slitting lines
- Cut-to-length lines
- Tension levelling lines
- Electrolytic degreasing lines
- Alkaline degreasing lines
- Solvent cleaning lines
- Packaging lines

## TECHNOLOGICAL EDGE FOR INCREASING QUALITY IN STRIP FINISHING



Reversing tension conveyor for all materials and surface conditions.



Slitter head with automatic loading and unloading.



Start stop vacuum stackers for protection of sheet surface and shape during pile formation.



Heavy duty levelers, with optional fast cassette change.



High performance rotary shear for rectangular and trapezoidal formats.

