

# INTERNATIONAL ALUMINIUM JOURNAL



## SPECIAL: ALUMINIUM EXTRUSION INDUSTRY

STEP-G is supplier for  
e-mobility projects

Interview with Thomas  
Winterfeldt, SMS group

Automatic inspection  
system for profiles  
reduces reject rates

CS1 special steel from  
Kind & Co. – the solution  
for increasing press forces  
in extrusion presses

The aluminium market  
in early 2019 – exposed  
to many risks

## ABC Aluminum Solutions places order with Presezzi for complete casting plant

ABC Aluminum Solutions (headquartered in San Diego County, California, with an operating plant in Tijuana, Mexico) has placed an order with Presezzi Melting Technology, a division of PE Group, for a complete horizontal continuous casting plant for 7-, 8- and 10-inch billets. The plant consists of a whole casthouse with a double-chamber melting furnace and separate holding furnace, a complete of automatic scrap charging machine and dross cooling system, a hybrid molten metal refining system, a horizontal continuous casting line and a homogenizing centre.

Centrepiece of the new line is a patented low energy consumption stirrer installed under the melting furnace. The resulting molten

metal recirculation between the two chambers increase melting capacity, speed up the alloying process and reduce dross generation, highlights Presezzi. As soon as the thermal and chemical homogeneity has been reached, the molten metal is transferred in the holding furnace with its 35-tonne capacity.

Chimneys and hoods are connected to the centralized suction and fumes treatment facilities, which are equipped with lime and activated carbon doser to ensure low emissions.

The new plant will be in full operation at the end of 2019 allowing ABC to produce high quality logs with low specific energy consumption.

### Order for new extrusion press

In view of the growing market of architectural profiles of heavy shapes for facades and new industrial markets that require aluminum shapes with precise tolerances and high mechanical properties, ABC also decided to invest in a new complete automatic extrusion line. Based on the positive previous experience with a Presezzi 2600 UST 8" press, the ownership decided to continue the partnership with Presezzi, awarding the Italian extrusion group an order for a complete new extrusion line including a 4000 UST front loading machine for 10" billets up to 56" long; it will be fully operational by year-end. ■