

4. Wear-resistant steel plates

Many wear parts used in ceramic or brick production, are made of high-strength materials with high wear resistance. They include wet pan mill grids, mixer screens and feeder screens, extruder chamber linings, mixer tank and crusher box linings.

AWELD disposes of the latest technology for production of wet pan mill grids and feeder screens of high-strength materials with high wear resistance (Hardox, Dilidur, Creusabro, etc.). The technology consists in a plasma-cutting generator with water table – the holes are cut into the plate under water, and therefore there is no degradation of the material properties.

The material is suitable also for production of auger blades for extruders where the lowest possible resistance – friction – between the auger and the ceramic substance must be provided. That is important for example when pressing thin-walled lightweight brick blocks. The unique technology of cold moulding of augers blades, used by AWELD, allows pressing of auger segments of Hardox wear-resistant steels.

