

CAST BAR



SPECIFICATIONS

Nominal Weight	: 10 kg per cast bar
Bundle Weight	: 1000 kg
Size	: 700x700x944 mm
Alloy / Grade	: P1020, EC, A356.2

FACILITY

Technology	: Continuous Properzi, Italy Capacity - 13 TPH
In-line treatment facility	: ACD (STAS) CFF (23x23x2, Selee, 30 ppi) Auto stacking by robot Auto strapping by Messersi



CAST HOUSE 2, VEDANTA LIMITED, JHARSUGUDA

CAST BAR PRODUCTION PROCESS



Furnace Preparation

- Online Metal Planning and Tapping
- Alloying using FCV
- Dross Skimming in Furnace using FTV

Metal Hygiene

- Degassing of Metal ACD(STAS) : Alcan compact degasser to remove hydrogen in molten aluminum.
- Ceramic Foam Filter CFF (23 " X 23 ", Selee, 30 ppi)
- Hydrogen Reading Measurement ≤ 0.20 ml/100 gm of Al

Casting Process

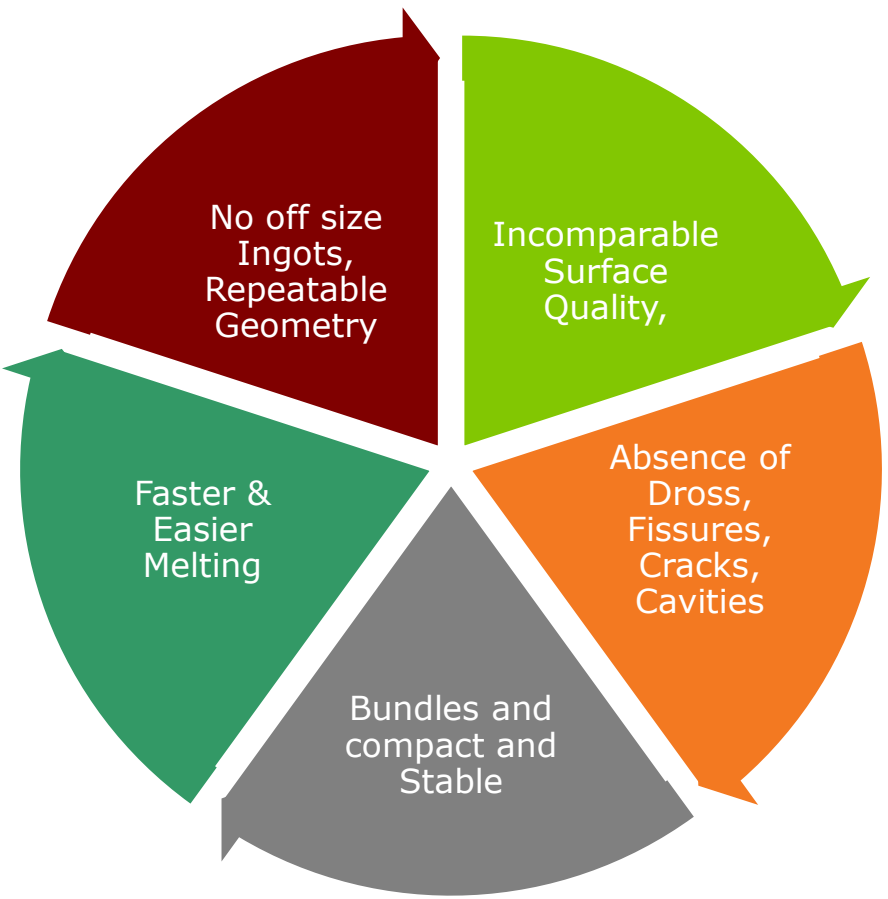
- Continuous Casting with Properzi Technology
- Casting Temperature : 630 – 680 Deg C
- Properzi Machine speed: 10-13 TPH.

Bar preparation and Packing

- Bar Cutting, Cooling and Stacking automatically with RoBots
- Online weighment, packing with Messersi Strapping Machine.
- 100 % identification done by engraving product code in each and every ingot



Benefits of Continuously Casted Ingots



CAST BAR BUNDLES →



CAST BAR CONTINUITY →

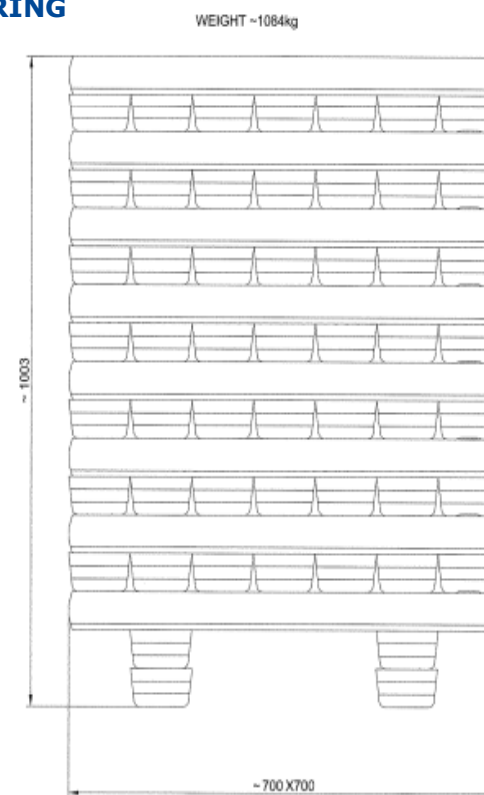
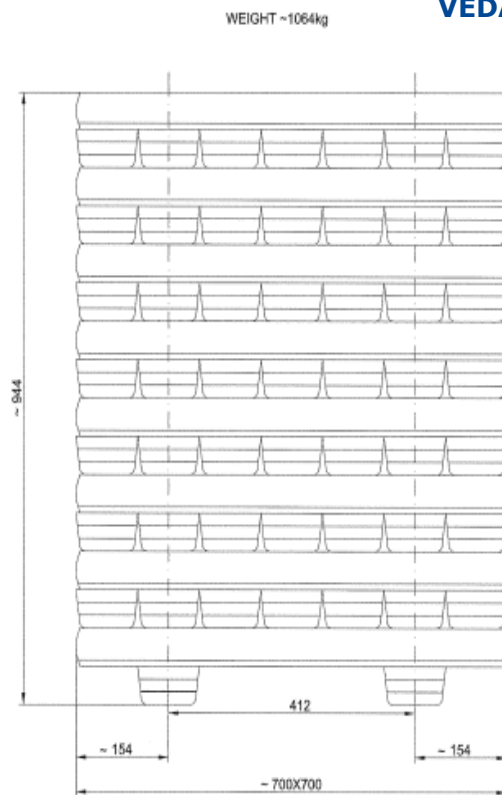


CROSS SECTION →



BUNDLE DIMENSIONS AND OPTIONS

VEDANTA OFFERING



COMPETITORS PHOTOGRAPHS



Vedanta Cast Bar

