

WESTERN AUSTRALIAN SPECIALTY ALLOYS PTY LTD

CAPABILITIES

WASA produces superalloy ingots and billet for forging and ring rolling applications for a range of aerospace, power generation and oil & gas applications. The major alloy purchased by our customers is alloy IN718 produced in either double melt (VIM/VAR) or premium rotating grade triple melt (VIM/ESR/VAR) form. Other alloys produced include Waspaloy, IN625, X750, 13/8, U500, IN725, IN925, R41, IN945, IN945X.

WASA also produces VIM superalloy ingots either for use in casting applications or input stock for powder material for aerospace and power generation applications. The remelt ingot is produced in a variety of diameters. The major alloys produced are alloys IN738, IN100, RR1000, M002, GTD111, C1023, IN713, MM247, R77, R88, IN718, PWA1455, PWA475LS. WASA's vacuum induction furnace has a melting capacity of 5 tonnes (11,000 lbs), 10 tonnes (22,000 lbs) or 15 tonnes (33,000 lbs) and can produce input stock for master melts or secondary and tertiary melting.

The forge consists of a 2300mT press, a ring mill and blanking press, Manipulators, associated heat treatment facilities and finishing equipment.

At WASA, a highly regarded team of professionals which includes chemists, metallurgists, engineers and technicians, applies the highest standard of process control using the very latest in analytical equipment and ensures that the most exacting requirements are achieved.

History of supply

Approval from aircraft engine manufactures GE, RR and PW, for ingot melting procedures used for forging and casting alloys.

- Approved supplier to Pratt and Whitney since 1995.
- Approved supplier to Rolls Royce since 1999.
- Approved supplier to GE since 2000.
- Approved supplier to Turbomeca since 2005.
- Approved supplier to Boeing for 13/8 since 2012.

WASA also supplies to IGT customers including Siemens, Alstom, Mitsubishi and GE. Oil & Gas customers include Exxon Mobil, Chevron and BP

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Competitive Discriminators:

Manufacture nickel, cobalt and iron based superalloys for aerospace, power generation and oil & gas applications.

Alloys for forging applications.

Alloys for casting and powder atomisation applications.

Unique Selling Propositions:

Ability to formulate charges of virgin and/or processed revert to specifications for the most stringent requirements.

Triple melt capabilities provide "ultra-clean" final material.

WASA is approved to quality standards required by the major aircraft engine manufacturers and their principal casting and forging suppliers.

WASA supplies the master remelt alloy barstock for PWA powder atomisation process used to produce critical components on the F-35. Everyone at WASA is proud to be a part of the F-35 program and is looking forward to the continued development of the advanced manufacturing processes need to support this important strategic project

QUALITY APPROVALS/AWARDS

S1000 (GEAE)

S400 (GEAE)

SABRe 9000 (RR)

AS9100D

ISO9001:2015

AC7101 (Nadcap)

PWA LCS

