



Tirosh David Quality Castings Ltd.

Line of Business

Manufacturing
High-Quality Aluminum
Sand Castings

Established

1979

Tirosh David Quality Castings Ltd. is a privately - owned, family managed leading Israeli manufacturer of high-quality aluminum sand castings. The company has mastered producing large and complex castings with high strength, close tolerances, and near perfect integrity, primarily for aerospace and defense applications. Further more, Tirosh also produces castings for commercial industries: communications, medical and printing equipment, the trains industry, chips manufacturing equipment and much more.



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Capabilities

- Free comprehensive engineering consulting.
- Design and production of patterns in a qualified in-house pattern workshop, combined with CNC modeling retrieved directly from customers' CAD files.
- Fast development of casting methods and prototype production according to standard specifications and customer requirements.
- Automatic moulding line (Heinrich Wagner Sinto), adaptable for small size jobbing series as well as for high volume long series. Short

setup time and rapid turnaround increases flexibility and efficiency. Speed: 30 moulds / hour. Moulding box size: 800 x 650 x (250 + 300) mm.

- Well equipped precision dry sand ("no-bake") layout, enables production of technologically complex castings of various shapes and size, without any dimensional limitation, ranging from tens of grams up to 1000 Kg and more.
- Alloys: A356, A357, C355, AlZn10Si8Mg, A201, AlSi10Mg.
- In-house, metallurgical laboratory for Chemical analysis and mechanical properties inspections.
- In-house Non-Destructive Tests include liquid-penetrant and X-ray inspections.
- Heat treatment and sand blasting as required.
- In-house complimentary, 15 machining centers milling and turning, 4-5 axis. Machining abilities up to 1950 mm length.
- Sub-contractor's coating and painting operations as required.

World-Class Quality

The company is AS9100 and NADCAP certified and holds firm approvals of Boeing, Nord-micro, Eaton, Aerocontrol and many more.

Our expertise in casting design and manufacturing, combined with 5,000 square meters of manufacturing space and extensive automation are ready to meet your expectations.

Main Customers

- ALSTOM
- MTU
- RENK
- LIEBHERR
- RAFAEL
- ELBIT
- IAI
- BOEING
- PHILIPS
- UTC