

TOOLS FOR HIGHLY EFFECTIVE PRODUCTION



HIGH OPERATIONAL AVAILABILITY FOR THE ENTIRE LIFE CYCLE

Oitti Tools Ltd is one of the leading Finnish tool manufacturers, who cares for its customers and good quality.

Our moulds are made to endure millions of cycles.

Maintenance and modifications are carried out close to the customer.



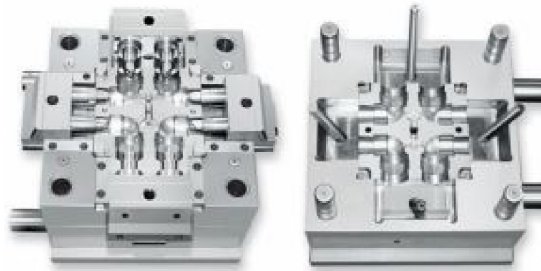
The moulds designed and made by Oitti Tools Ltd are reliable in operation and enable high performance at competitive duty cycles.

These features ensure lower operating costs and per-product costs, as well as fewer outages for adjustment, service and repair purposes.

We guarantee:

- well-proven, reliable design solutions,
- the industry's best materials and components,
- highly accurate guiding elements, excellent tightness of parting lines,
- at least 1 million cycles or 1 year warranty,
- flexible and high quality maintenance and repairs close to the customer in Finland.

EXCELLENT PRODUCTIVITY WITH DURABLE AND RELIABLE INJECTION MOULDS. KNOWLEDGEABLE CUSTOMER SUPPORT. HIGHLY ADVANCED OPERATIONAL FEATURES = PROFITABLE INVESTMENT =



We offer:

- good communication with the customer in the design phase,
- good quality of the materials and components used for manufacturing and transparency of the supply chain,
- longer lifetime and better operational availability of moulds,
- for customers who have production facilities located in Russia we offer local maintenance service with firm expert skills.

Value for money: Obviously, a European tool is not cheaper than a similar Chinese one. But we optimize our customized moulds to meet exactly your demands, providing tools with more speed, durability and thereby enhancing the overall productivity.

Overall benefits for the customer:

- Less need for further investment on repairs and maintenance of the tools.
- Higher operational availability.
- Resource savings in production.
- More added value during the tool life cycle.

Oitti Tools Oy is a maker of durable and long-lasting moulds for such customers as many Finnish forerunners in the electrical and electronic industry, manufacturers of HVAC and lighting technology components, producers of plastic components for home appliances and bathroom products as well as packaging solutions. Our ISO 9001:2015 Managing System is certified by DNV GL. We also manufacture a wide range of special tools and instruments for different industries, such as tube bending tools, and offer special precision machining services.

**TECHNICAL KNOW-HOW
CLOSE TO THE
CUSTOMER**



**LARGER MANUFACTURING
CAPACITY**



Our production capacity is complemented by the modern Dutch-Russian Matritsa LLC production plant near St. Petersburg in Russia, which also carries out mould maintenance and repairs in Russia.

RELIABLE INJECTION MOULDS FOR IMPROVED PRODUCTIVITY

**DESIGN
AND PRODUCTION**



- Design of tools.
- Manufacture of prototypes.
- Manufacture of new injection moulding and blow moulds.
- Repair, retrofittings and modernizations of injection moulds.
- Repair of mould components and manufacture of replacement parts.
- Test runs of moulds on our own injection moulding machines.
- Subcontracted manufacture of demanding parts and components for different industries.

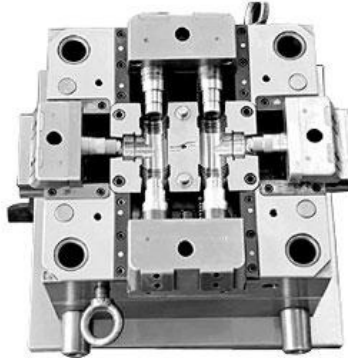
www.oittitools.fi

We provide thorough overhaul of your tools, repair parting lines, clean cooling and heating water channels, carry out polishing up to the SPI A1 grade.

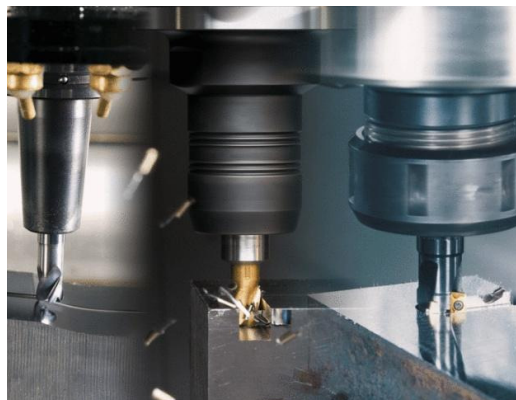
We can offer hot runner system overhauls and re-surfacing of damaged surfaces with appropriate materials. We carry out machining of spare parts and components on the basis of 3D models for demanding applications.

Our machine stock enables manufacturing of even larger projects, and we intend to enlarge our production capacity by new fast machinery.

Reliable and durable injection moulds for the manufacturers of plastic components for electric, electronic, HVAC, medical industry, as well as parts for building industry, lighting solutions, house appliances, motor vehicles and other technological needs.



- Shorter duty cycle.
- Optimized raw material use.
- Lower power consumption.
- Minimizing outages for maintenance and repair.
- Higher utilization rate and extra added value during the tool life cycle.
- Better cost control.



**MAINTENANCE
AND REPAIRS**



- Design and manufacture of new injection moulding and blow moulds in Russia.
 - Technical support and maintenance services for users of the plastic industry tools.
- High-quality maintenance and tool repairs, guaranteed with a warranty.
 - Retrofits or modernizations of moulds.
 - Machining and repairs of mould components, manufacture of spare parts.
- Vacuum heat treatment (annealing, tempering, stress relieving).
 - Polishing and assembly.
- Import, transportation, customs clearance of European tools.

www.nwmatrix.ru

The fastest and largest machine at Oitti Tools is Deckel Maho 125P milling machine equipped with a programmable rotary table. The machine's range of movements is x1250 y1000 z1000 and the maximum unit weight 2500 kg. We also use wire cutting and EDM machines at our factory.

Our partner Matritsa LLC is running Hermle multi-axis milling machines. In 2018 a new Hermle C 42 VP was introduced, enabling milling at precision up to 5 mkm. The table carrying capacity is max 1400 kg.

The performance capacity of the new machine is enlarged by the automatic pallet changer PW850 and an extra tool magazine ZM-88.

We are open to innovative, flexible cooperation.