## Milestones of OTTO JUNKER GmbH:

**1924**
Otto Junker founds the company of the same name based on the water-cooled mould for brass plates invented by his father Andreas.

**1929**
The first electric heated continuous annealing and pickling line for brass strip is developed.

**1934**
Construction of electric chamber furnaces with intensive air circulation for heating aluminium ingots

**1937**
The first electrical melting furnace for the foundry industry is developed.

**1940**
The test and demonstration foundry - today's OTTO JUNKER CM GmbH - becomes a production foundry.

Construction of the first mains frequency induction channel furnaces for non-ferrous heavy metal and light metal

**1949**
Start of fabrication of mains-frequency coreless induction melting furnaces

**1959**
First medium-frequency crucible melting furnace with statically tripled frequency by means of triductors.

**1963**
Delivery of the 200th continuous annealing and pickling plant for copper and brass strip

**1964-1966**
Commissioning of the first gas-heated rapid heating systems for copper and brass billets

**1967**
The first two larger vacuum induction furnaces for vacuum treatment of 10 tonnes each of high-quality steel and nickel alloys go into operation at the customer's site.

The first orders are placed for mains frequency induction channel-type furnaces for grey cast iron with usable capacities of 20, 35 and 50 tonnes.

**1968**
Commissioning of the first jet-heating large-chamber furnaces with a capacity of 20 tonnes for annealing aluminium coils

**1969**
Commissioning of the first high-performance strip flotation furnace

**1973**
Commissioning of the first medium-frequency crucible furnace with thyristor resonant circuit inverter

**1982**
Otto Junker Foundation becomes the owner of Otto Junker GmbH.

**1985**
Junker Inc. is founded in the USA.

**1986**
Commissioning of the first large indirect gas-fired deep furnace for heating aluminium rolling slabs with high heating speed and temperature accuracy

**1990**
Safety and reliability of melting furnace operation is significantly improved by the introduction of the JUNKER JOKS furnace control system

**1994**
OTTO JUNKER introduces a new type of unheated plug casting device for spheroidal and grey cast iron.

**1995**
Foundation of Otto Junker Industrial Equipment s.r.o. in Boskovice, Czech Republic, for production and workshop assembly

First strip flotation furnace for aluminium strip for use in the automotive industry

**1998**
A heat treatment furnace line for aluminium plates for the aircraft industry is commissioned in a major European semi-finished products factory. The system achieves an outstanding temperature uniformity over the entire plate length of 36 m.

**2000**
First IGBT converter system put into operation

**2004**
Otto Junker Metallurgical Equipment is established in Shanghai

**2006**
Expansion of OTTO JUNKER products through the product portfolio of INDUGA GmbH & Co. KG. / INDUGA Industrieöfen und Giesserei-Anlagen GmbH & Co. KG

**2011**
Delivery of a coreless furnace with a capacity of 25 tons and a power of 15 MW

**2012**
Patent granted for new 2VX belt floatation furnace

**2014**
Development of a proprietary air knife for hot-dip tinning systems

**2016**
Expansion of coil production by two additional production halls

Patent granted for strip stitching machine

**2017**
Patent granted for HiPreQ® mist quench for aluminium strip AND commissioning of the longest floating annealing line for aluminium strip, 118 m, with HiPreQ® mist quench

**2018**
Commissioning of the largest pusher furnace for aluminium rolling slabs with a maximum batch weight of 1000 t

**2019**
Successful launch of the German Foundry Standard series in China

**2021**
OTTO JUNKER introduces new modular oven series: JUPITER Line

**2022**
First battery recycling furnace goes into production

Foundation of OTTO JUNKER India Pvt. Ltd. in Mumbai

**2023**
OTTO JUNKER SOLUTIONS GmbH start-up with green technologies

**2024**
First power-to-heat plant for the food industry goes into operation

**2024**
**100 years of innovation and transformation in the metal industry - OTTO JUNKER - a manufacturer of industrial furnaces and systems for melting and heat treatment of metals and for recycling scrap and Li-ion batteries as well as 'Power to Heat' energy storage systems.**