

## Press Release

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### **CEMAFON die casting and permanent mould casting equipment manufacturers increase their market share in 2016**

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Following the record total achieved in 2015, exports of die casting and permanent mould casting machines worldwide\* declined by more than 10 percent in 2016 – from EUR 982 million to EUR 880 million. The key contributory factor was the collapse in exports from China by almost half (minus 47 percent). Among the 10 biggest supplier countries, downturns were also reported by the UK (down 20 percent), Germany (down 8 percent) and Japan (down 13 percent).

### **CEMAFON enjoys larger market share in 2016**

Counter to the general development in world trade, global exports from Italy increased by almost 16 percent, and from Switzerland by 4 percent, so that the total value of CEMAFON exports increased by 6 percent overall. The value of the machines exported was up from EUR 377 million in 2015 to EUR 400 million last year. By comparison, the market share of CEMAFON die casting and permanent mould die casting equipment manufacturers increased by 7 percent, giving it around 45 percent of the world market.

The world's largest die casting machine exporter in 2016 was Italy, followed by Japan, China, Switzerland and Germany.

### **Die casting combines efficiency of resources and safety**

More than 80 percent of all NF castings are produced for the transport sector. Die casting processes are used in particular in the lightweight automotive segment. However, serial production in die casting has also proven effective for aluminium components for the aerospace industry (e.g. various housing or components for interior fittings). The aluminium alloys used are particularly valued because they combine precision and strength with maximum weight reduction and therefore efficiency of resources and safety.

In sub-segments of the aerospace industry, for example helicopter manufacturing, magnesium alloys are also used due to their even greater potential for lightweight construction (including in the main drive system and gearbox housings).

In the field of medical technology devices, the material properties of aluminium and zinc alloys combined with die casting processes are in demand for volume production (e.g. for plinths and swivelling parts of medical equipment, motor casings or protective caps for radiological equipment).

Cold chamber die casting machines are used for aluminium and magnesium alloys, hot chamber die casting machines for zinc alloys.

Even if the aerospace segment is still a niche market from the perspective of the casting industry as it only offers a small proportion of NF applications, it is in this sector in particular that superlative technological performance is required. And this is where innovations with potential for other industries are born. European casting machine manufacturers, for example, are taking part in research projects on the fabrication and use of composite materials.

## **About CEMAFON**

CEMAFON (The European Foundry Equipment Suppliers Association) was established in 1972. Its members are the national European associations and therefore all major manufacturers of casting machines and systems, smelting furnaces and products for the casting industry in Europe. The association represents the economic and technical interests of its members worldwide, provides information and creates a platform for sharing news and views at European level. CEMAFON is the initiator and together with CAEF (the European Foundry Association) the organiser for the International Foundry Forum (IFF) – "The Key Event for CEOs". The next IFF will take place on 11 October 2018 in Amsterdam in the Netherlands.

\* The following statistical data refer to article No. 845430 "Casting Machines, Die Casting Machines".