

Decoring machines

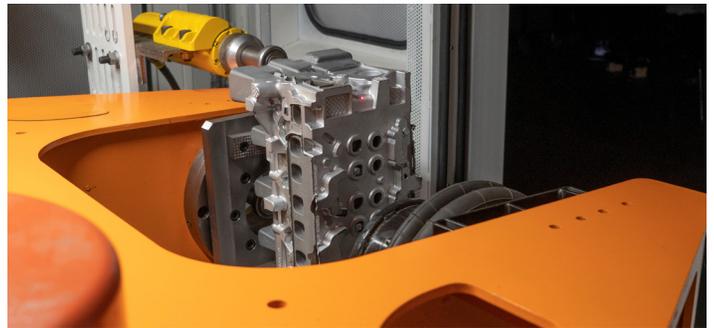
MASDIM

Patent-pending®



MASDIM Decoring machine

MASSIN Technologies is located in the 1st department producing castings (cast iron, steel, aluminium and copper alloys) in France. With its industrial partners, MASSIN Technologies has developed a specialisation in the design and manufacture of machines dedicated to the foundry sector, in particular for the sandblasting stage of sand castings.



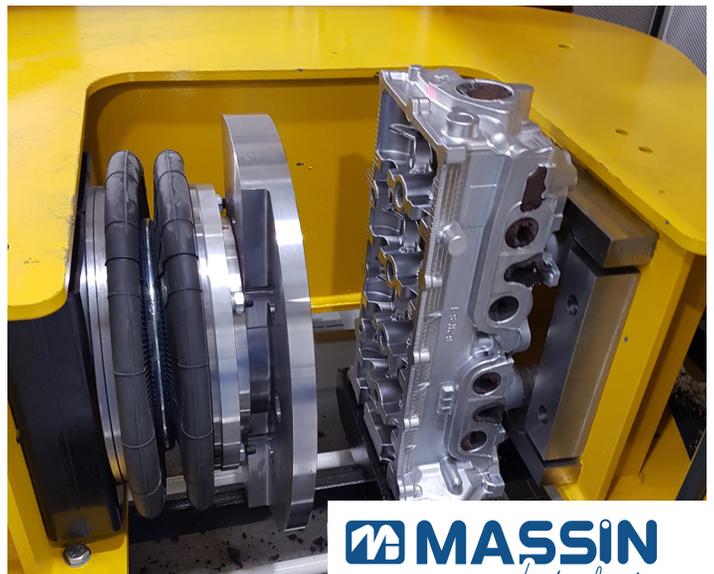
MASDIM decoring machines (patented technical invention) are specially designed for the decoring of medium and large series of castings such as cylinder heads, manifolds, engine blocks, cradles, stirrups, etc. from 10 to 150 kg and more.

In manual or automatic loading mode, they ensure very high performance and very high quality of decoring.

Its preferred field of application is the treatment of cylinder heads, but its great adaptability allows the decoring of the most varied parts, from pump housings weighing a few hundred grams to V8 engine blocks weighing more than 60 kg, as well as crossmembers and intake manifolds.

Equipped with high efficiency and reliability in a hostile industrial environment, the MASDIM decoring machine allows the parts to be completely emptied in a short time and to increase production rates both in an independent manual loading station and integrated into a robotic cell.

Our sand decoring machines are established all over the world with more than 40% of our production exported to the 5 continents.



MASSIN
technologies

THE MASDIM DECORING MACHINE IS BASED ON AN ORIGINAL AND EFFICIENT PROCESS, WHICH CAN BE DIVIDED INTO TWO STEPS :

Step 1

CORE SEPARATION

The part to be treated is placed in position in a specifically designed tooling, then held by a pneumatic clamping system. It is then hammered by a pneumatic hammer. High-frequency shocks detach the core from the cast iron and break it into blocks.

Step 2

DISINTEGRATION OF THE CORE

After separation of the casting core, the part is vibrated by a combination of two electric vibrators. This vibration reduces the core to sand, which falls into the lower part of the machine.

MASDIM DECORING MACHINE

The continuous development of our engineers makes it possible to adapt our machines to your specifications and to the conditions of the decorating process in order to reach an optimal result.

We also integrate automated systems for loading and unloading the parts to be treated or we can offer the installation of complete finishing lines (decorating, deburring, cutting of the casting system, etc.).

We have test decorating machines at our disposal in order to carry out rapid decorating tests on your parts allowing us to evaluate the effectiveness of our process and to offer you a tailor-made offer.

