



## THE METAL FRAME GUARANTEES A SWEEPER THAT LASTS OVER TIME

The frame is the supporting structure of any machine. It is the essential component for any transport means, operating machinery or simple machine tool.

To build a solid machine, a resilient frame is essential.

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### SAVING ON PRIMARY MATERIALS AND PRODUCTION LOWERS THE INITIAL COSTS BUT INCREASES THE LONG-TERM ONES

We chose to build all our sweeper frames in metal, avoiding the need to resort to rotational plastic moulding.

Manufacturers often resort to plastic frames made with rotational moulding in an effort to reduce production costs. This choice allows the series production of a large number of frames in very little time. The initial cost of sweepers produced using this method is certainly inferior, but so too is the structural sturdiness and mechanical resistance to different types of stresses.

In the long-term, the sweeper will need more maintenance and break more easily.

Moreover, in case of a failure, a rotationally moulded plastic frame doesn't allow changes or repairs if it breaks. If there's a fault, the sweeper will be more difficult to repair and will probably no longer be of use.

#### **MP-HT s.r.l.**

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## **WE DON'T COMPROMISE TO BUILD SOLID MACHINES**

The choice of primary materials is the first step in building solid, long-lasting machines. The north-eastern part of Italy where our sweepers are manufactured is renowned for its metalworking industry. We are able to rely on a solid network of companies, trusted suppliers from which we choose only the best components and materials.

Building the frame in metal essentially offers two important advantages:

- a) greater machine resistance;
  - b) possibility for changes and customisation.
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## **CHANGES AND CUSTOMISATION**

Steel, in addition to being a highly resistant material, is also very ductile. When assembling the machine, the metal frame allows us to make changes and reinforce various parts of the machine subject to particular stresses in certain situations.

The metal frame allows us to customise the sweepers in order to adapt the machine to specific client needs, thus ensuring the comfort of those who go on to use it.

We were able to satisfy a company's request to adapt the machine because the person who would use it had a hip problem, and therefore would have found it difficult to climb up. We responded by inserting a support base in the machine frame, allowing the operator to climb up with ease.

This would not have been possible with a plastic frame, because once moulded it couldn't have been drilled to insert additional supports, or modified in any way, or else it would have broken.

We design our machines with their users in mind. MP-HT sweepers are produced taking operator health and safety into account, and are designed to be intuitive, easy to manage and maintain, ensuring they can be autonomously used even by unskilled personnel and without the need for a licence.

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## **95% RECYCLABLE SWEEPERS**

The steel of the frame, like almost all the other parts used to build the MP-HT sweepers, can be recovered and recycled. This makes our sweeper 95% recyclable, an enormous advantage when the time comes to dispose of the machine.

It is also a very important factor for those like us who work in the cleaning sector, because recycling avoids wasting potentially useful materials, guaranteeing a more sustainable production cycle and use of materials, reducing the consumption of primary materials, energy, and associated greenhouse gas emissions.

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