
Loading and clearing flame cutting tables

Efficient machine utilisation

Metal processing machines, such as flame cutters, are becoming increasingly capable of greater productivity and precision in their application areas. Fast and precise placing of plates onto the flame cutting tables followed by quick clearing significantly increases the machine's overall performance and makes the process more cost-effective.

TRUNINGER magnet systems are often specially designed for such applications.

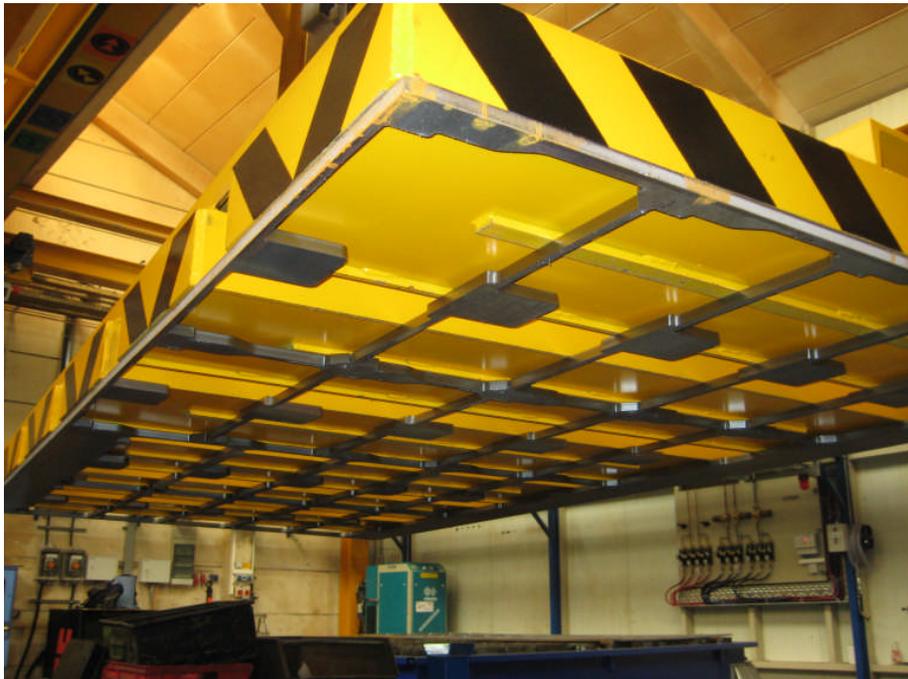


Figure 1: Taking a scrap frame off the flame cutting table in one lift

The use of magnet systems for loading and clearing flame cutting tables has become established around the globe. The fast, safe and efficient use of magnet systems also has other advantages.

Advantages

- High availability of the flame cutting machine
- Off-cuts and scrap frames picked up in one lift
- Plates fed to the machine directly from the storage area without the need for any other lifting device
- Off-cuts can also be cleared using a single magnet
- No heavy physical manhandling required

Your benefits

- Faster handling saves time
- More attractive workplace, increased safety, fewer accidents

Optimum solutions for all sizes

Magnet systems play a key role nowadays in shipyards and are in constant use. In the construction of large cruise ships time is a critical factor. It is therefore all the more important that all resources are efficiently utilised. TRUNINGER magnet systems provide optimum support for resources such as the huge automatic plasma cutting machines. A special spreader beam with multiple round magnets feeds a long, heavy plate onto the cutting machine. After the flame cutting process all off-cuts and the scrap frame are removed from the cutting table in one lift and put down in a sorting zone. The plasma cutting machine is thus ready again for the next load cycle, while the sorting zone gets cleared using a second magnet system.



Figure 2: Special spreader beam for placing large sheets on the table; off-cuts and scrap parts get cleared away in one lift

Efficient magnet solutions similar to the one described above (see figures 1 and 3) are also available for smaller flame cutting operations. For more details, please ask us!



Figure 3: Off-cuts and scrap parts safely picked up in a single lift