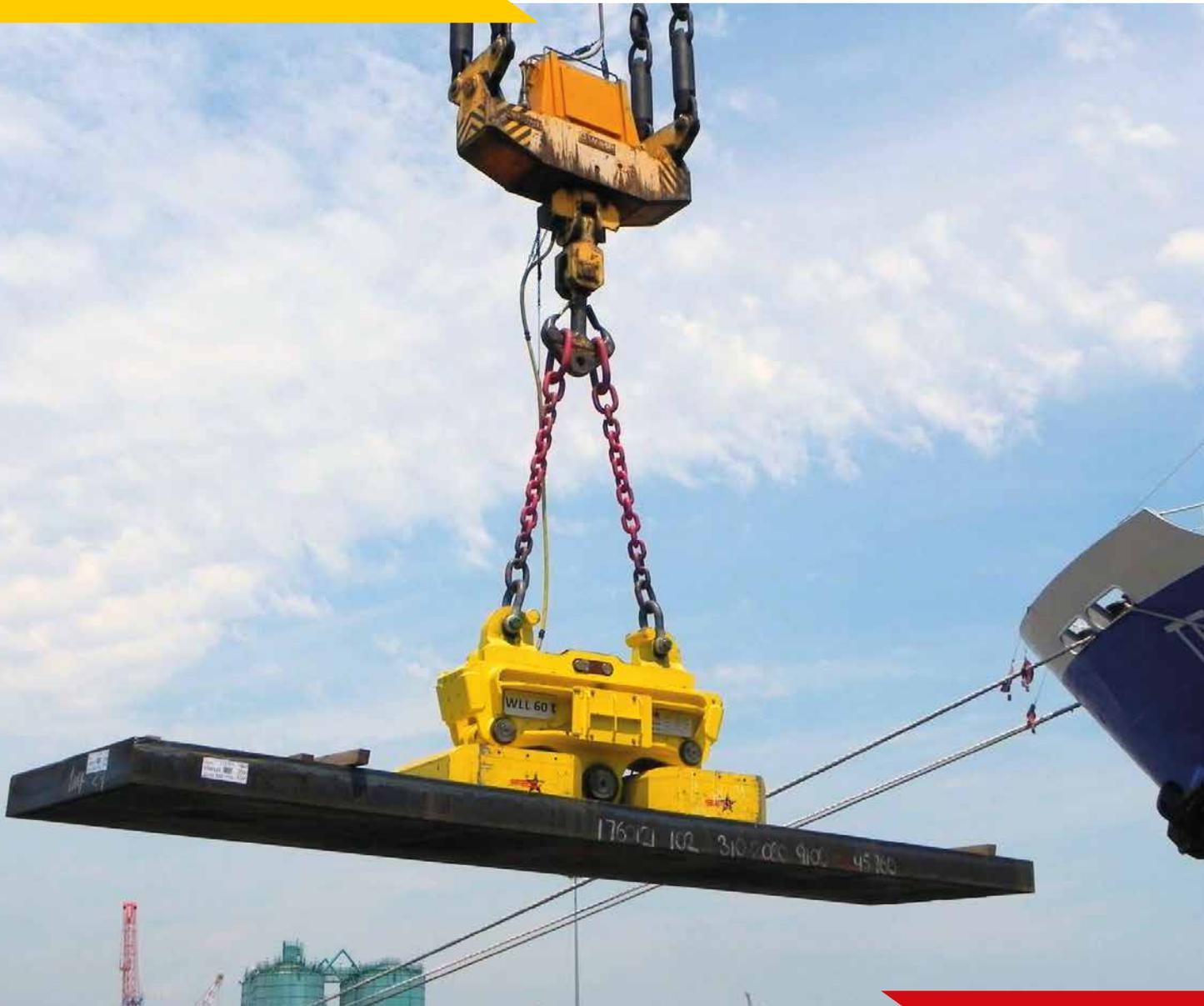




## Electro-permanent magnetic systems for **lifting and handling operations**



## SEP - BR



### **ELECTRO-PERMANENT LIFTERS FOR HANDLING OF HOLD SLABS**

The SEP electro-permanent lifters are the ideal solutions for handling of hold slabs of any weight and size. Applicable on cranes or self-propelled. Installed on port cranes, they facilitate the unloading of the slabs from the ship's hold ensuring maximum safety and time optimization.

## SEP



### **ELECTRO-PERMANENT LIFTER FOR SHEET METAL, SLABS, FORGED BLOCKS WITH HIGH AIR GAPS**

SEP modules have been designed to handle sheet metals, slabs and forged blocks with high air gaps. Thanks to their well-structured design, they are suitable for high stresses and therefore reliable over time. By means of the provided remote control, a single operator is able to carry out all types of operations (clamping, lifting, shifting, release).

## SEL



### **ELECTRO-PERMANENT LIFTERS FOR (HOT ROLLED) SHEET METAL OR COILS WITH LOW AIR GAP OR PRE-MACHINED BLOCKS**

The SEL lifters have been designed for handling sheet metals of various thicknesses, or pre-machined blocks. Suitable for lifting work-pieces with low air gaps. They feature a remote control, allowing a single operator to carry out all types of operations (clamping, lifting, shifting, release).

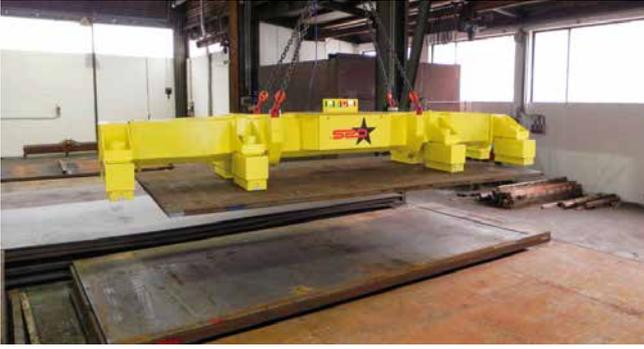
## TRETEL



### **ELECTRO-PERMANENT TELESCOPIC BEAM FOR LIFTING LARGE SHEET METALS OF ANY THICKNESS**

The electro-permanent telescopic beams of the TRETEL series have been designed to handle large sheet metals of any thickness, lifting the load from above without deformation or damage. The load remains clamped indefinitely with a constant force, limiting the energy consumption to the magnetic activation or deactivation cycles. They do not require the installation of buffer batteries, feature an "antiaccidental deactivation" system and extendible arms controlled by a hydraulic pump.

# TREFIX



## **ELECTRO-PERMANENT RIGID BEAM FOR LIFTING LARGE SHEET METALS OF ANY THICKNESS**

The electro-permanent rigid beams of the Trefix series have been designed to handle large sheet metals of any predefined thickness and length with no need of telescopic movements, lifting the load from above without deformation or damage. The load remains clamped indefinitely with a constant force, limiting the energy consumption to the magnetic activation or deactivation cycles. They do not require the installation of buffer batteries, feature an “anti-accidental deactivation” system.

# TREFIX-V



## **RIGID ELECTRO-PERMANENT TILTING BEAM FOR VERTICAL AND HORIZONTAL LIFTING OF SHEET METALS**

The electro-permanent beams of the Trefix-V series have been designed to handle large sheet metals of any predefined thickness and length with no need of telescopic movements. Suitable for warehouses with metal rack storage systems. The load is lifted from above without deformation or damage.

# TREFIX -T



## **RIGID ELECTRO-PERMANENT BEAM FOR UNLOADING ON CUTTING MACHINES**

The rigid electro-permanent beams of the TREFIX-T series have been designed to load and unload sheet metals of specific dimensions onto cutting machines (laser, oxycutting, plasma). Once the sheet metal has been cut, the beam is able to unload it from the machine along with the chips with a single clamping operation, making the machine immediately available for the next sheet metal. The load is lifted from above without deformation or damage.

# SEP-R



## **ELECTRO-PERMANENT LIFTER FOR ROUND BARS**

The SEP-R modules have been designed to handle round, forged parts with high air gaps. Thanks to their well-structured design, they are suitable for high stresses and therefore reliable over time. By means of the provided remote control, a single operator is able to carry out all types of operations (clamping, lifting, shifting, release). A mechanical “V” centring device, on the other hand, ensures a quick and easy the work-piece centring operation.

# TREFIX- H



## SOLUTIONS FOR BEAMS AND PROFILES OF ANY WEIGHT AND SIZES

They combine the advantages of safe lifting with compactness and functionality. The shaped profile allows the beam to be tilted on the ground and to be easily stored in warehouses or on vehicles. The polar conformation has been designed and adapted to the shape of the piece to increase the contact surface, thus improving both force and controllability of the system.

# SYMPRE - RPT



## HANDLING SOLUTIONS FOR TUBES OF ANY WEIGHT AND SIZES

They offer the advantage of not deforming and damaging the load, reducing at the same time the operating space as the module is always positioned from above. Suitable. They provide complete safety as they can be controlled remotely by a single operator. These modules can be integrated into large lifting systems controlled either by PLC or manually from the control panel of the main equipment.

# SYMAUT- CL



## HANDLING SOLUTIONS FOR COMPACT COILS OF ANY WEIGHT AND SIZES

They offer the advantage of not deforming and damaging the load, reducing at the same time the operating space as the module is always positioned from above. Suitable for coils with both horizontal and vertical axis.

# TRIPOD



## ELECTRO-PERMANENT SOLUTIONS FOR RINGS OF ANY WEIGHT AND SIZES

These modules can be integrated into more complex automatic or manual systems, which can in this way use and control the magnetic part supplied by SPD at best to obtain the desired clamping and shifting results. They offer the advantage of not deforming and damaging the load, reducing at the same time the operating space as the module is always positioned from above.



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Organizzazione con Sistema di Gestione certificato ISO 9001