

# LIFTMOULD

Your security is our priority

## Handling Large Molds Efficiently:

## Lifting Equipments for SMED and SAFETY



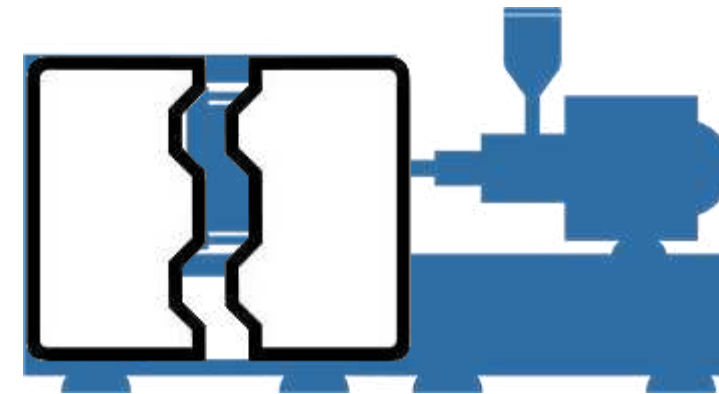


# Tendency in the plastic injection industry



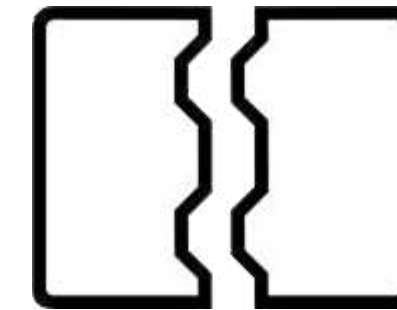
## LOW STOCK

Space  
Holding costs  
Organization



## FREQUENT MOLD CHANGE

Some automotive factories are changing molds 2 times per shift on each IMM



## DOWNTIME

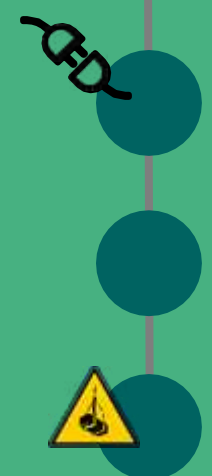
Inevitably, with each mold change there are undesirable downtimes on the machine.



# Why downtimes?



IMM Mold Removal



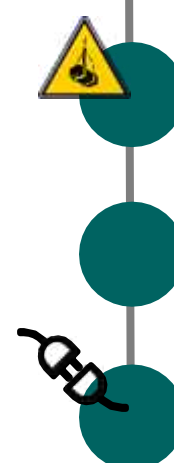
Disconnect Refrigeration / Eletronics / Hydraulics

Unclamp from IMM

Lift and Transport



IMM Mold Insert



Lift and Transport

Clamp from IMM

Connect Refrigeration / Eletronics / Hydraulics





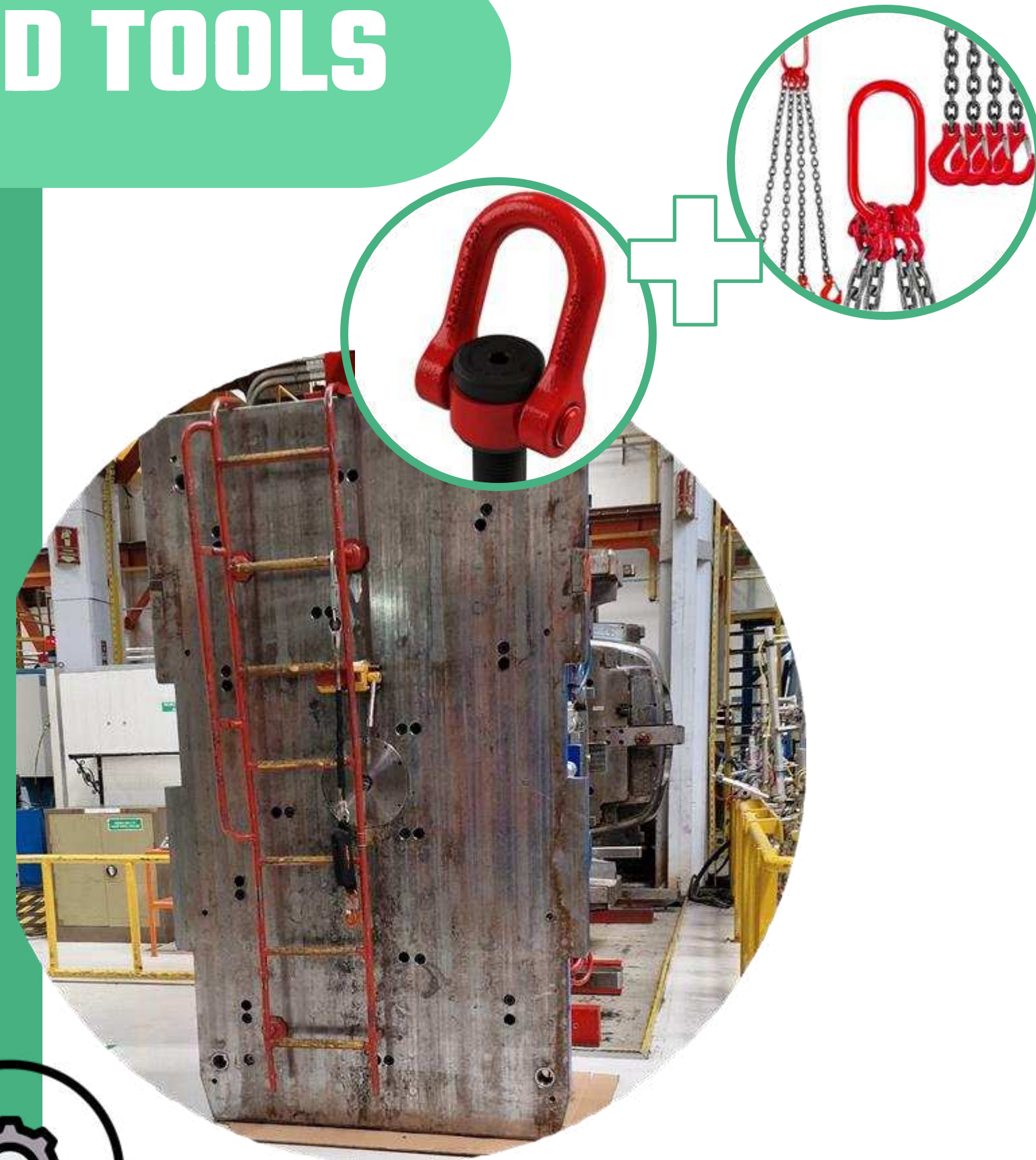
# SMED TOOLS



Most factories are using swivel rings and chains

Can't this be optimized?

Is this procedure **safe** on big molds??



Lift and Transport

# Lift and transport: Conventional process On mold Changeover

## Remove mold 1

Lift and transport mold 1 to  
storage

## Insert mold 2

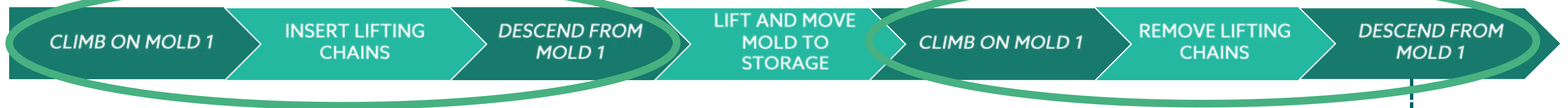
Lift and transport mold 2 from  
pre-heating platform to injection  
molding machine



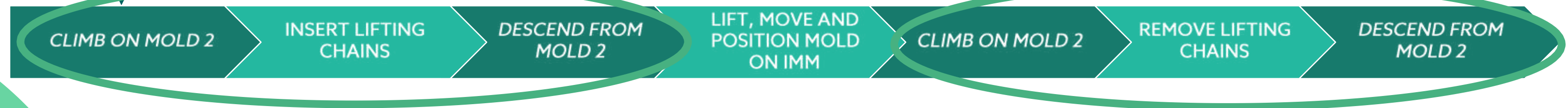
# What does the operator that is changing the mold has to do?



## Remove Mold 1 from IMM



## Insert Mold 2 on the IMM





# Liftmould solution: ELS60T



**E**lectro-mechanical **L**ifting **S**ystem for injection molds up to **60 TON**

**Below the hook lifting devi**







E lectro-mechanical L ifting S ystem for injection molds up to **60 TON**

**Remotely Controlled**

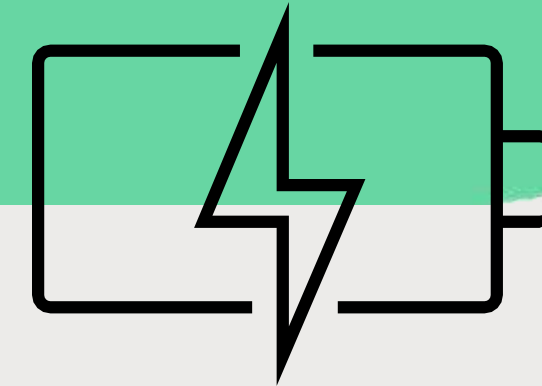




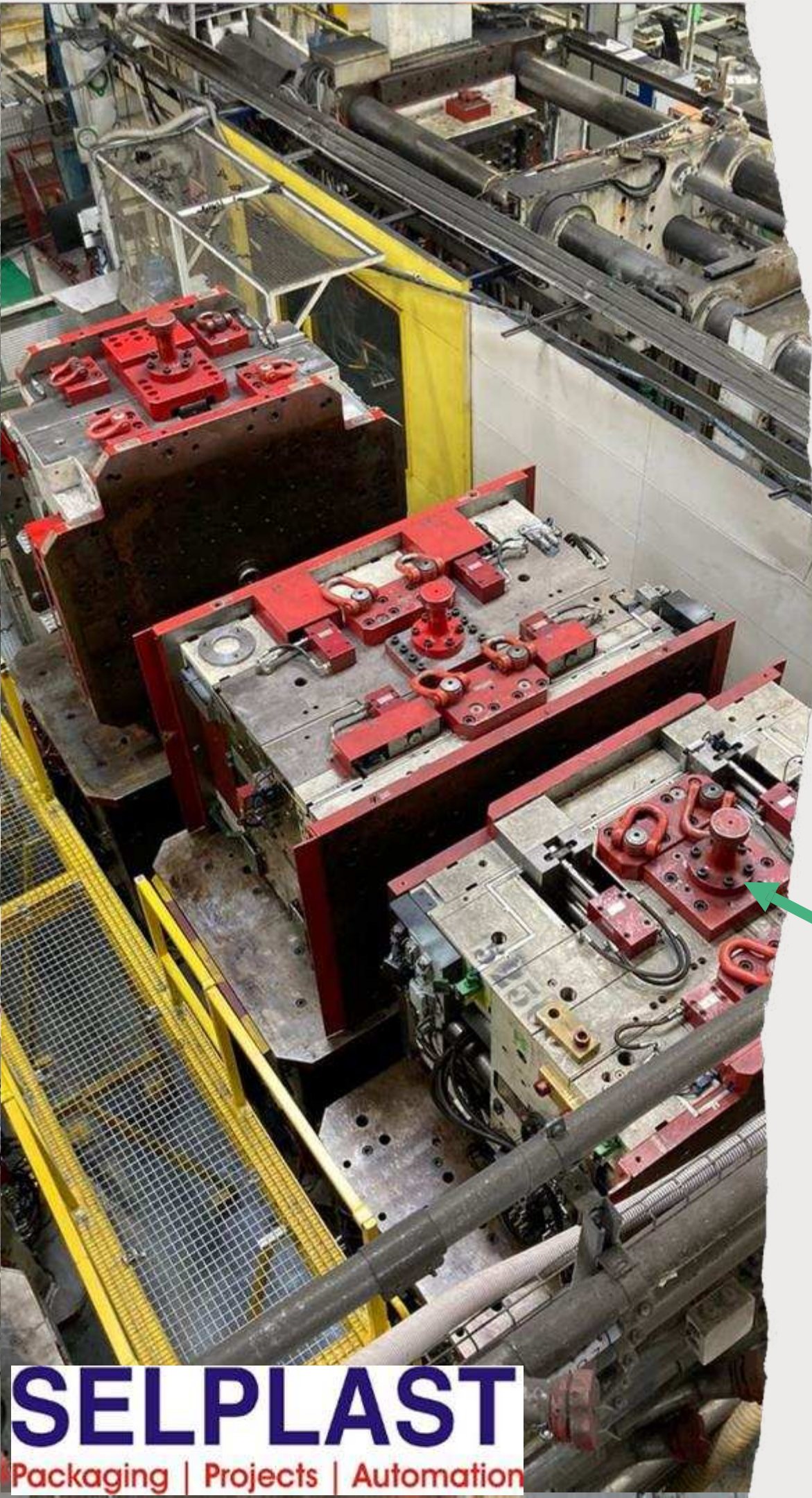


## Battery powered

By default, the system is battery powered, but is ready to work with power supply through the overhead crane







**E**lectro-mechanical **L**ifting **S**ystem for injection molds up to **60 TON**



**Single point  
lifting**







# Only one pin per mold

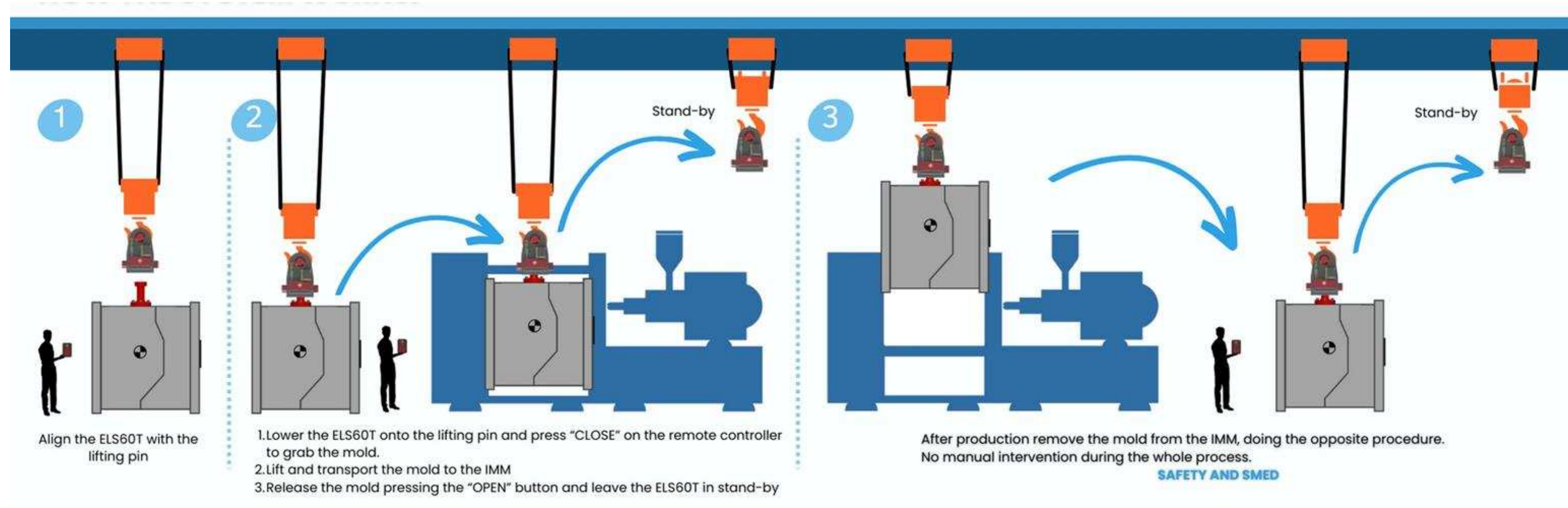
Pins with capacity from 10T – 60T

All compatible with the ELS60T device





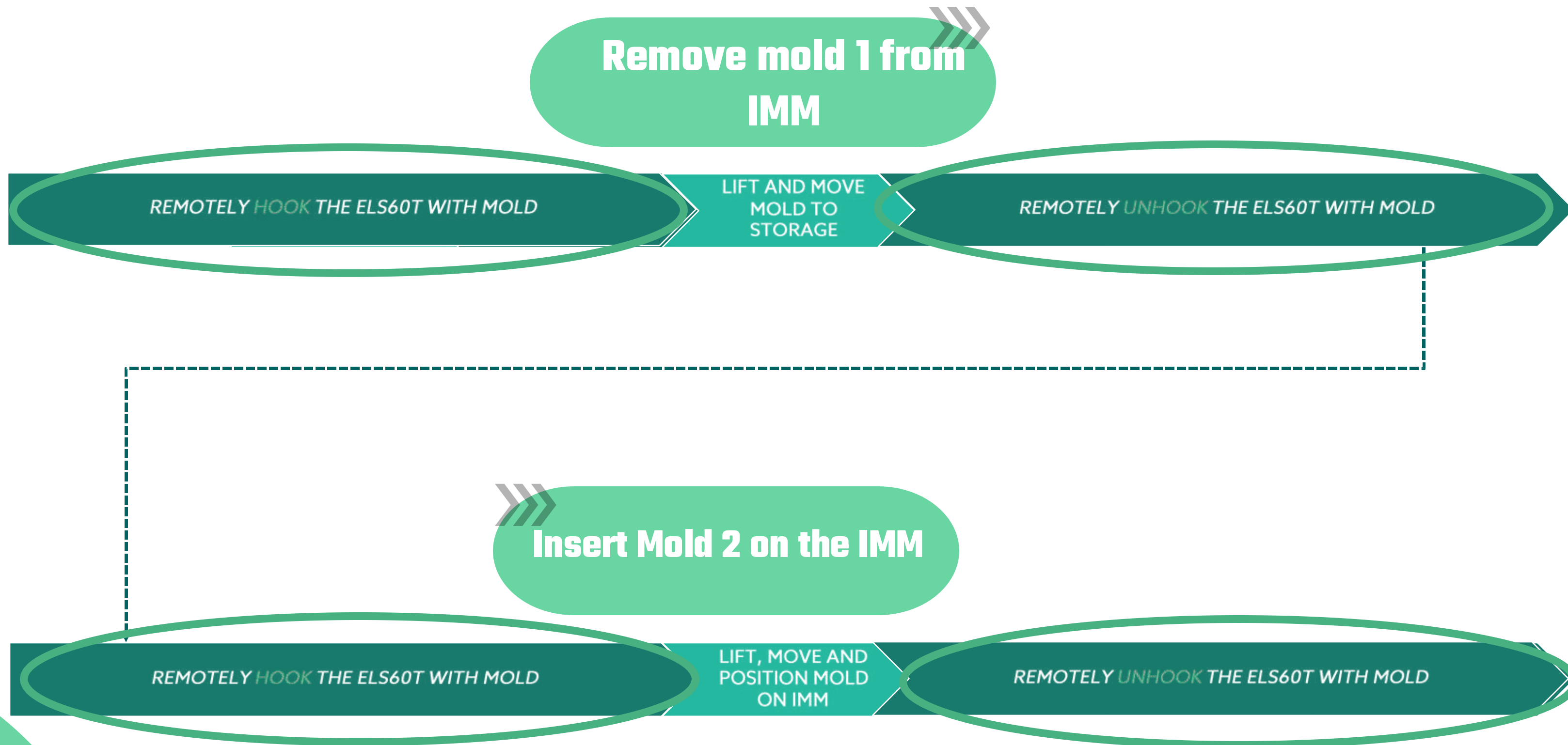
# How does the system work?



[HYPERLINK](#) FOR VIDEO OF SYSTEM IN ACTION



# What does the operator that is changing the mold has to do **NOW WITH THE ELS60T?**





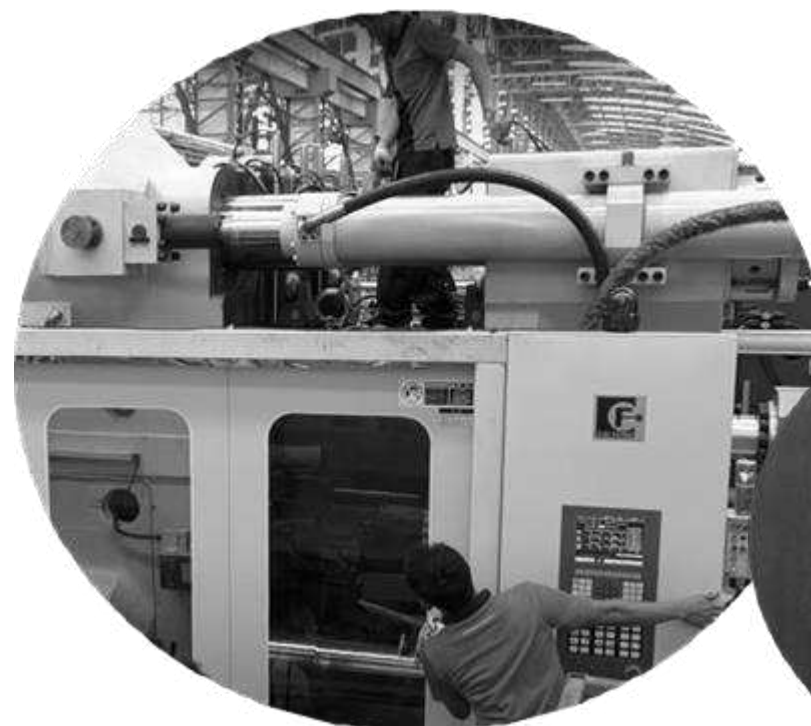
# Safety



**NO MANUAL  
INTERVENTION**

**NO CLIMBING  
ON THE MOLD**

No more falls  
No more burns  
**NO** more **INJURIES**





# Customizable



Possible to be controlled directly through the overhead-crane for full automation

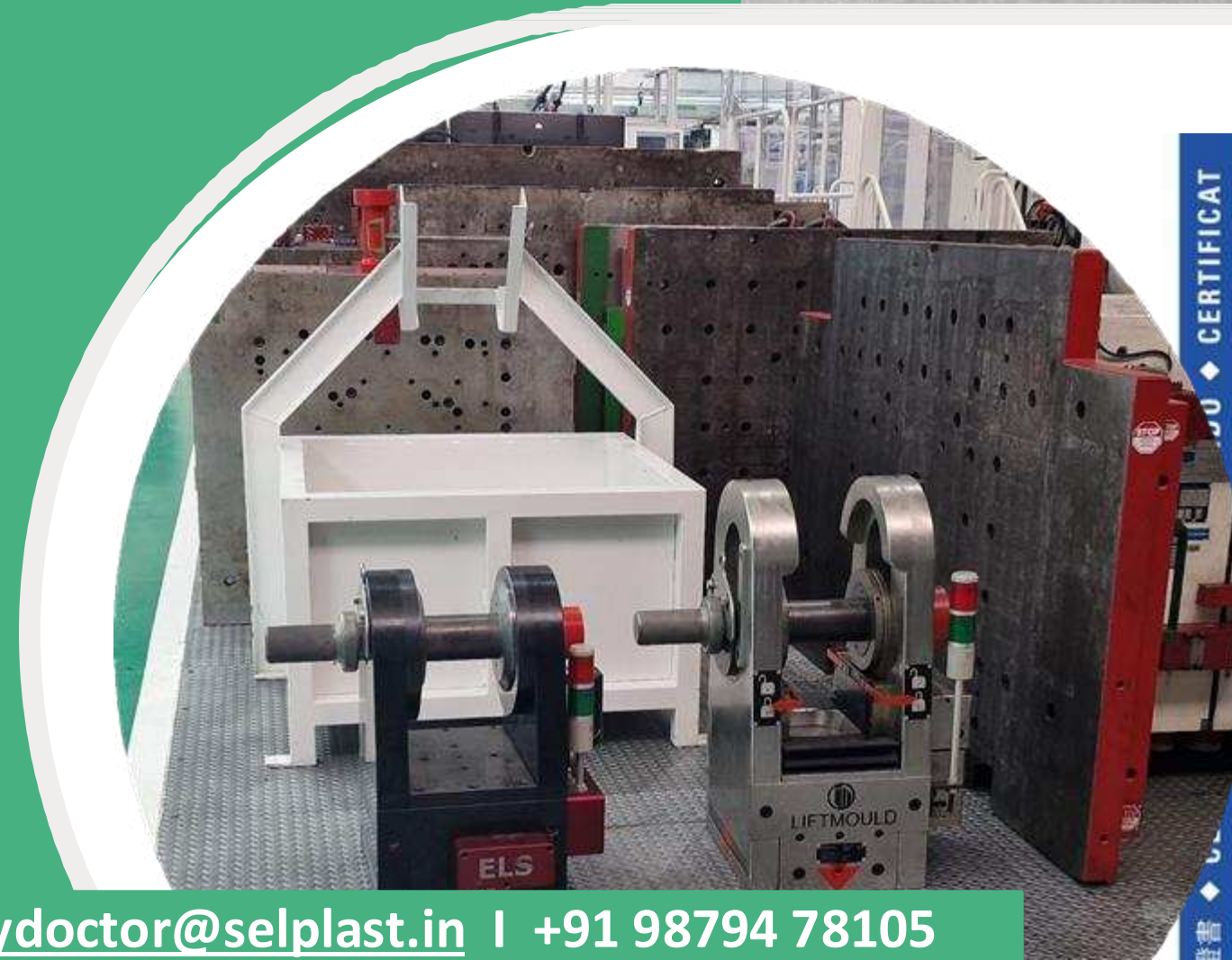




# Field Tested

CE Compliant

NRTL



**LIFTMOULD**

Your security is our priority



**CERTIFICATE**  
No. U10 120012

**Holder of Certificate:** Liftmould Lda  
Zona Industrial dos Viadores 34  
3050-184 Mealhada  
PORTUGAL

**Certification Mark:** 

**Product:** Lifting equipment (ELS)

**Tested according to:** UL 61010-1:2012/R:2019-07  
CSA C22.2 No. 61010-1:2012/A1:2018-11  
ASME B30.20:2013  
ASME BTH-1

This product was voluntarily tested to the relevant safety requirements referenced on this certificate. It can be marked with the certification mark above. The mark must not be altered in any way. The certificate holder shall not transfer this certificate to third parties. This product certification is operated by TÜV SÜD America Inc, most closely resembles system 3 as defined in ISO 9001:2015. Certification is based on the TÜV SÜD "Test and Certification Regulations". For CE marking purposes, the product must be marked with the CE mark.



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