

HVR MAG
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Electro permanent magnet



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01

Company Introduction

HVR Magnetic Co., Ltd

Our company

HVR MAG



H

Honesty creates value

V

Vigorous team keeps innovating

R

Reliable technology guarantees quality

Our Team

HVR MAG



Mr. Davisn Ren
General Manager



Mr. Ben
Mechanical chief engineer



Mr. Huang
Electrical chief engineer

Our team has over 15 years experience in the field and focuses on studying and designing various electro permanent magnet technology. Now we have independent intellectual property rights.

Development path

HVR MAG

2010

HVR Magnetics Co., Ltd was established.



2012

Passed ISO9001 certification & CE certification. Exported to Brazil seaport.

HVR MAG



2011

Cooperated with Sumitomo For Magnetic clamping system.



Development path

HVR MAG

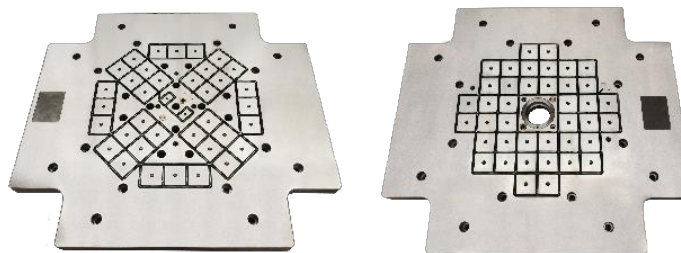


2013

Passed national high tech
Enterprise certification

2014

Launched the 2nd generation
Magnetic clamping system.
Regular lifting magnets orders
from Europe and USA.



2015

Cooperated with Hitachi &
Fujitsu

Development path

HVR MAG



2016

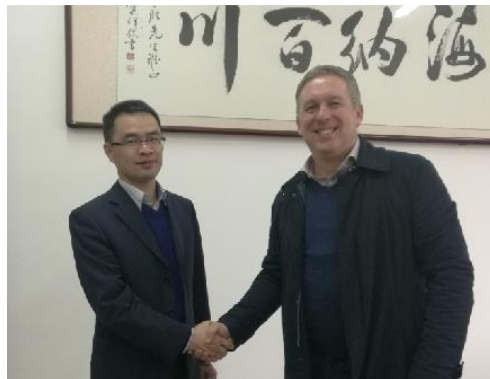
Moved to new workshop.

2017

Signed an European exclusive distributor.



HVR MAG | **MAGBAT**
EUROPE

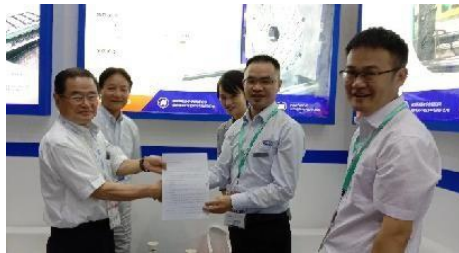


2018

Passed CE certification(TUV)

development path

HVR MAG



2020

Signed Brazil
exclusive distributor.



2019

Signed a Japan
exclusive distributor.

HVR MAG COMASE

2021

- Increase a new workshop (4000m²).
- QMC Patent of Japan

development path

HVR MAG



2022

US Patent Authorization

2023

Become ENGEL's Global Supplier



2024

HVR MAG Technology Park built
European Patent Authorization

HVR MAG | ENGEL

Certificate

HVR MAG

Attestation
No. M7 1923 Rev. 00

Holder of Certificate: Zhuzhou HVR Magnetics Co., Ltd.
Building No.03, Guoke Auto parts industrial park,
Tianyuan District
412007 Zhuzhou city, Hunan
PEOPLE'S REPUBLIC OF CHINA

Product: Quick-change-devices
(Magnetic Quick Mold Changing System)

Model(s): HQMC TONNAGE X-N
HQMC TONNAGE X-M
(TONNAGE-clamping force of the machine to be
integrated with;
X=type of magnetic pole- A, C, D, E;
N=type of controller- 1 (HQMC-11A), 2(HQMC-12A))

Parameters: Rated voltage: AC 110V/220V/380V/480V
Rated frequency: 50/60Hz
Rated input power: 4.5-20KW
Rated magnetic force: 4kg/cm²

Tested according to: EN ISO 9001:2015
EN ISO 12008/A1:2009

This Attestation is issued on a voluntary basis according to Council Directive 2006/42/EC relating to
machinery. It confirms that the listed equipment (partly complete machine) complies with the
requirements set in article 13 of the directive. It refers only to the sample submitted to TÜV SÜD
Product Service GmbH for testing and certification. See also types overleaf.

Test report no.:

Date: 2016-01-31 (Philip Park)

Page 1 of 1
Partly completed machines are designated to be assembled in a machine, which complies with the
requirements set in the Machinery Directive 2006/42/EC and for which a Declaration of Conformity
according to Annex II A of the Machinery Directive 2006/42/EC needs to be drawn up.

TÜV SÜD Product Service GmbH - Certification Body - R. Steinhilberstr. 55 - 82229 Munich - Germany

CE (TUV)

**QUALITY MANAGEMENT
SYSTEM CERTIFICATE**

Registration No. 0350121031139R0M

This is to certify that the quality management system of
Zhuzhou HVR Magnetics Co., Ltd.
Building C-3, Hitech Auto Parts Park, No.9 Zhongda Road, Tianyuan
District, Zhuzhou City, Hunan Province, 412000
Social Credit Code: 914302005507406954

is in conformity with
GB/T 19001-2016 / ISO 9001:2015 Standard
(等同(Alt. 1) A)

This certificate is valid to the following product(s)
Electro permanent magnetic system, magnetic quick mold change
system (Site Covered: Building C-3, Hitech Auto Parts Park, No.9
Zhongda Road, Tianyuan District, Zhuzhou City, Hunan Province).

Date of issue: September 15, 2021
Date of expiry at most: September 14, 2024

Representative: Wang Honglin

DATE OF ISSUE
XINHUAN CERTIFICATION
CENTRE CO., LTD. (SHANGHAI)
(P.R. CHINA) 100000, SHANGHAI, CHINA

IAF **CNAS** **中国认可**
国际互认
管理体系
MANAGEMENT SYSTEM
CNAS 0038-M

NOTE: This certificate shall be maintained by regular surveillance audit.
The validity of the certificate can be verified by scanning QR code.
The information of the certificate can be available in <http://www.cnca.gov.cn>,
the website of CNCA, and in our website <http://www.xqcc.com.cn>.

ISO9001:2005

中国平安 PINGAN

SCHEDULE
Policy No.

Insured: HVR MAGNETICS CO., LTD.

Address: Building C, Area C, No.9, Zhongda Road, Tianyuan District, Zhuzhou City, Hunan, PR

Business: Manufacturer

Insured Period: One year from 00:00 March 25th 2016 to 24:00 March 24th 2017

Insured Products: electro permanent magnet, EFM quick mold change system, battery electro permanent mold change

Est. Sales: RMB10,000,000 Anywhere within the Territory Of China (Including Hong Kong, Taiwan and Macau)
RMB5,000,000 Worldwide including USA and Canada

Limit of Insurance:

Limit of indemnity A.C.A:	RMB2,000,000
For Property Damage Any One Accident:	RMB2,000,000
For Bodily Injury Any One Accident:	RMB1,000,000
For Each Person Any One Accident:	RMB50,000
Limit of Sum of Indemnity in the Period of Insurance:	RMB7,000,000

Deductible: Anywhere within the Territory Of China (Including Hong Kong, Taiwan and Macau) RMB 100,000 or 10% of loss amount whichever is higher for any one accident
Worldwide including USA and Canada: US\$100,000 or 10% of loss amount whichever is higher for any one accident

Territorial Limit: Worldwide (include USA/CANADA)

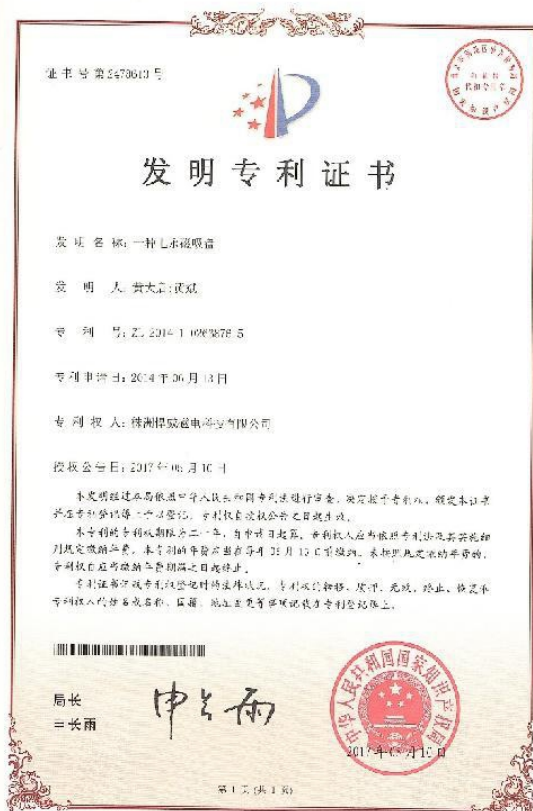
Jurisdiction:

中国平安财产保险股份有限公司
PING AN PROPERTY & CASUALTY
INSURANCE COMPANY OF CHINA, LTD.
保单专用章
SPECIALLY SEAL FOR POLICY

LIABLE INSURANCE

Patents of QMC

HVR MAG



China



Japan

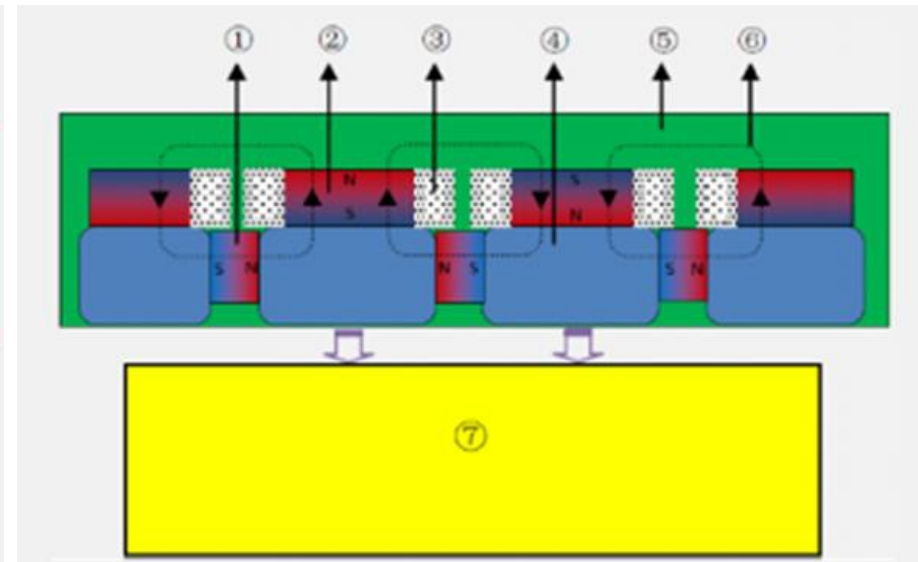
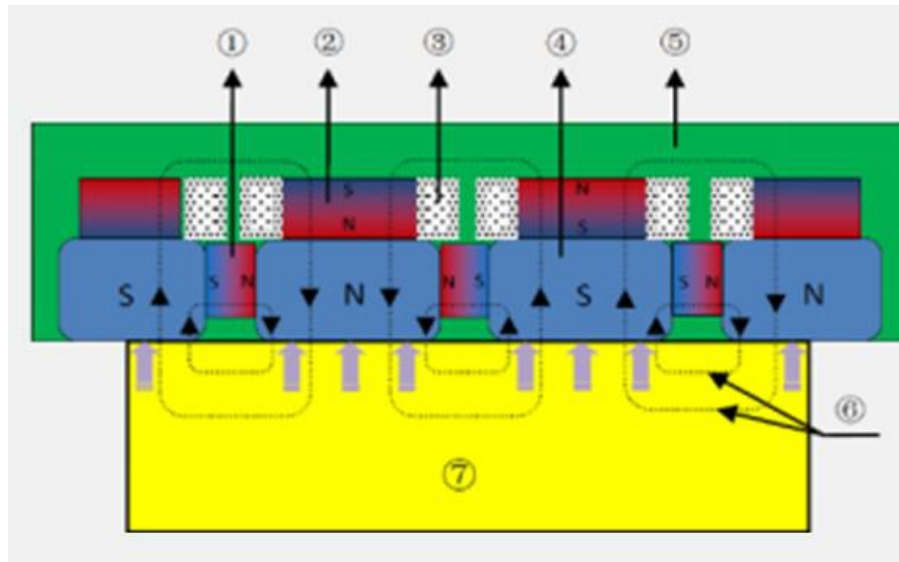


USA

02

Working Principle

HVR Magnetic Co., Ltd

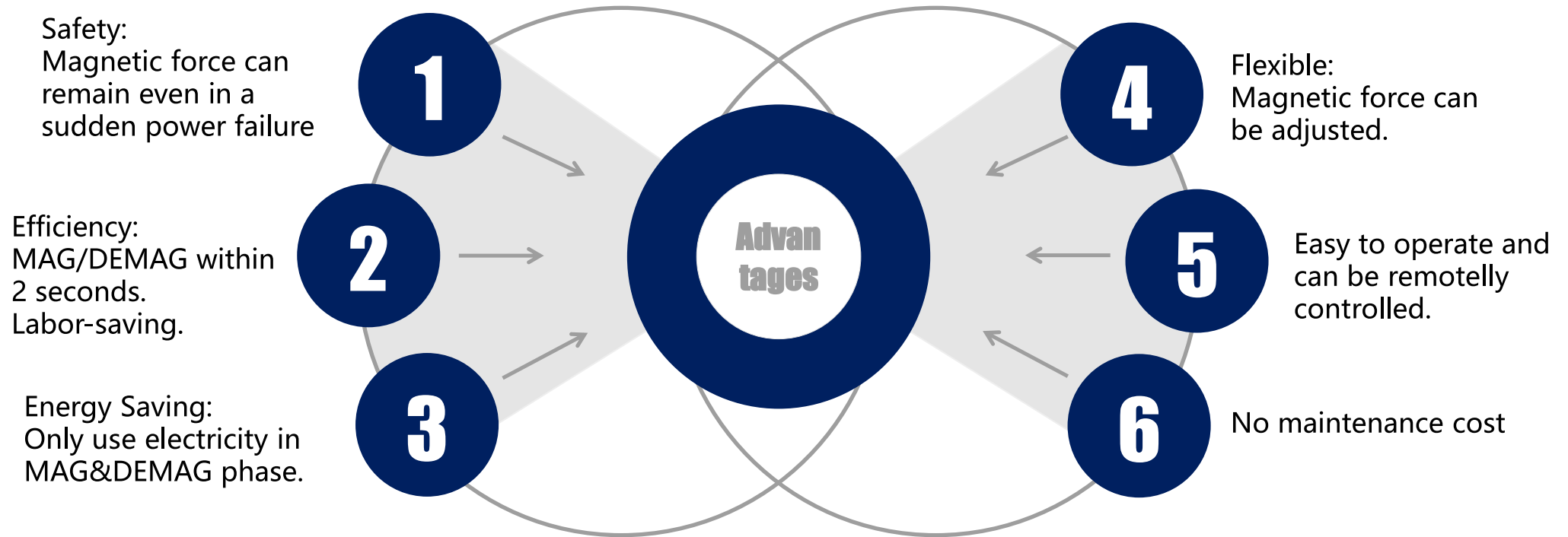


1. An electro permanent magnet contains **two magnetic materials**, one magnetically hard (Neodymium Magnet) and one semi-hard (Alnico Magnet).
2. A current pulse of one polarity magnetizes the materials together, increasing the **external** flow of magnetic flux. Thus, lift the workpiece.
3. A current pulse of the opposite polarity **reverses** the magnetization of the semi-hard material. Magnetic flux will transfer to **internal**. Thus, release the workpiece.

03

Advantages

HVR Magnetic Co., Ltd



04

Application cases

HVR Magnetic Co., Ltd

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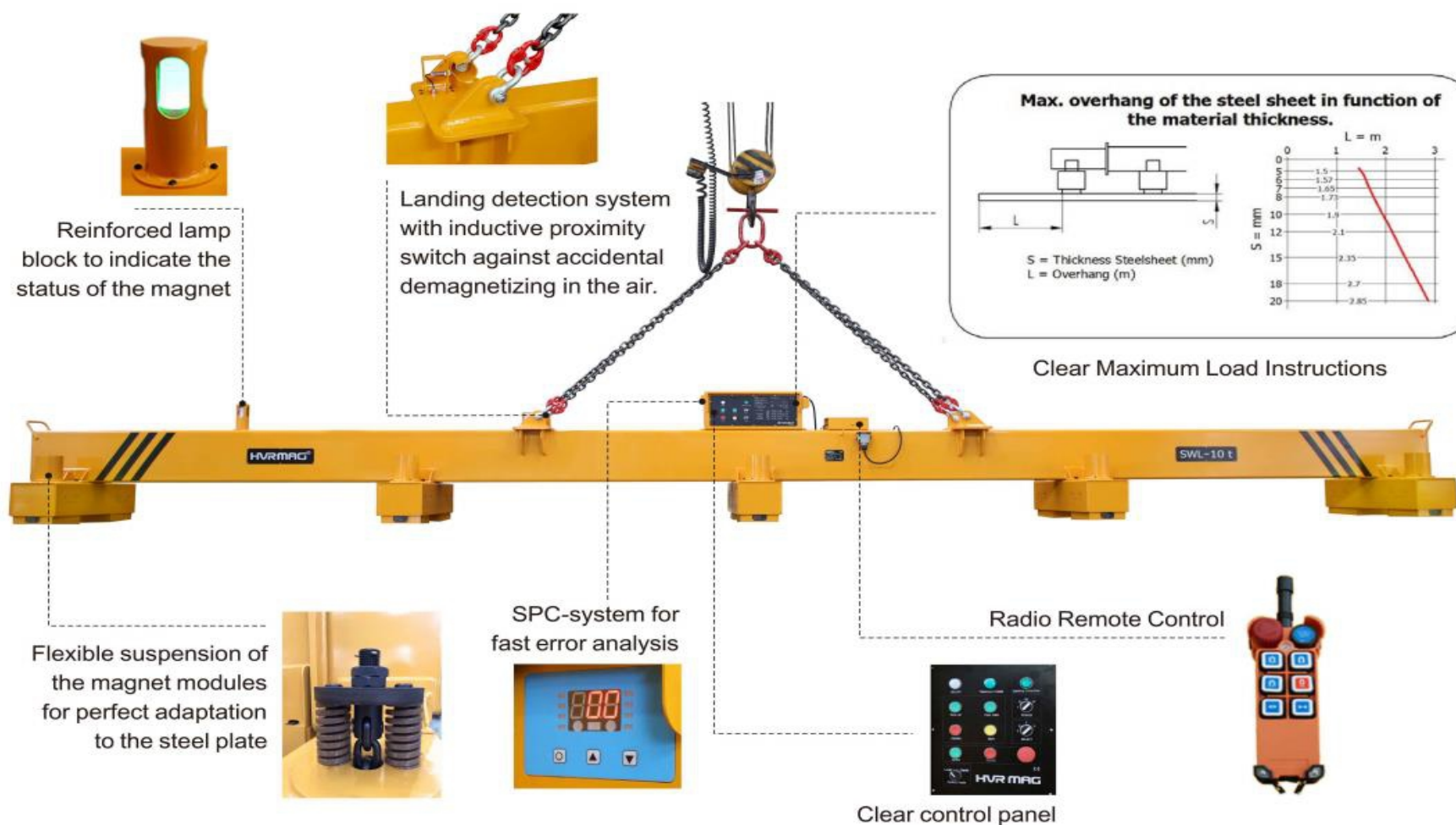
1. Lifting magnet

—— Safety and energy saving

With Indian business partner



PROMECH SOLUTIONS
POWERING INNOVATION WITH PRECISION



01

HM1 Single plate lifting







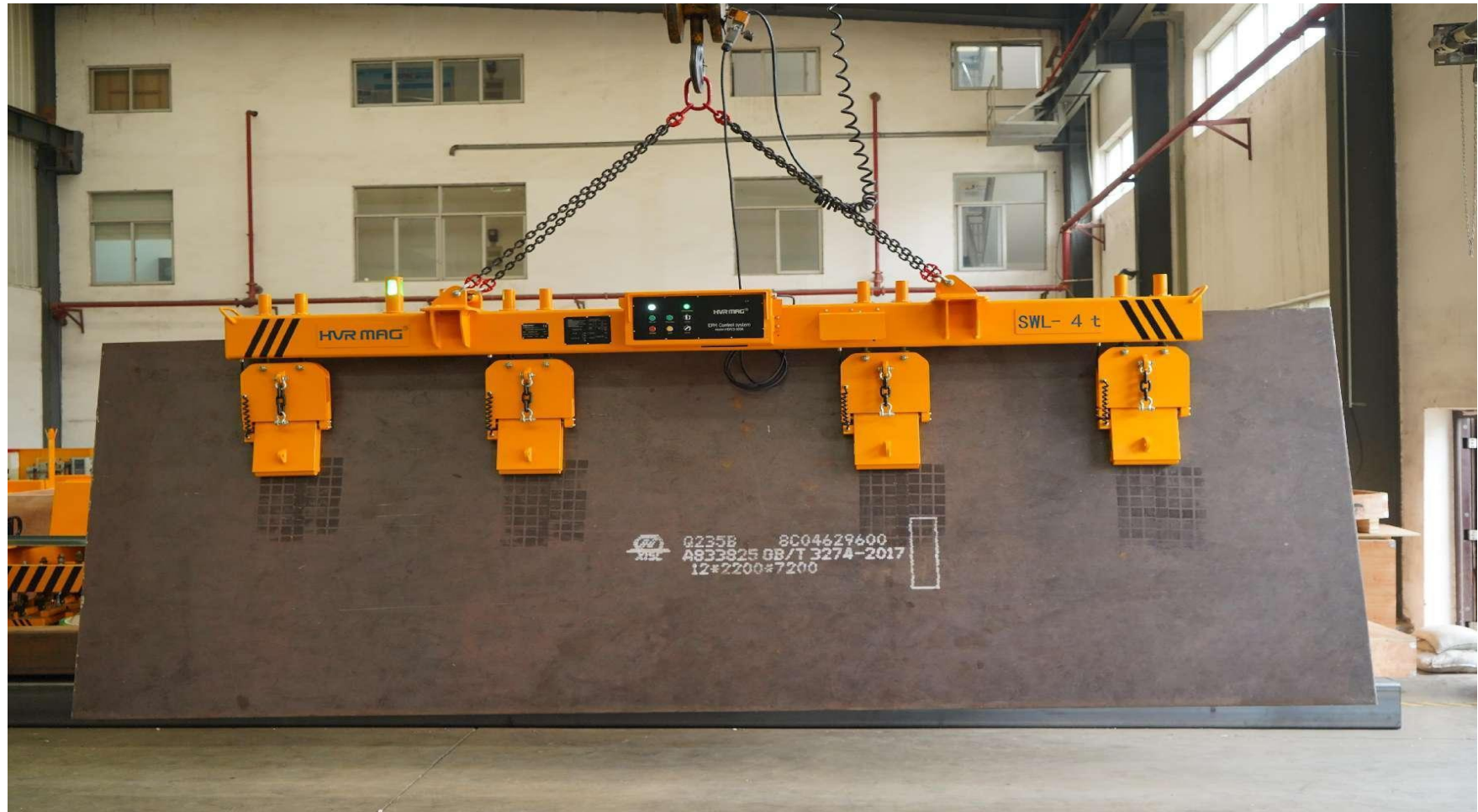
02

Telescopic beam



03

Vertical lifting



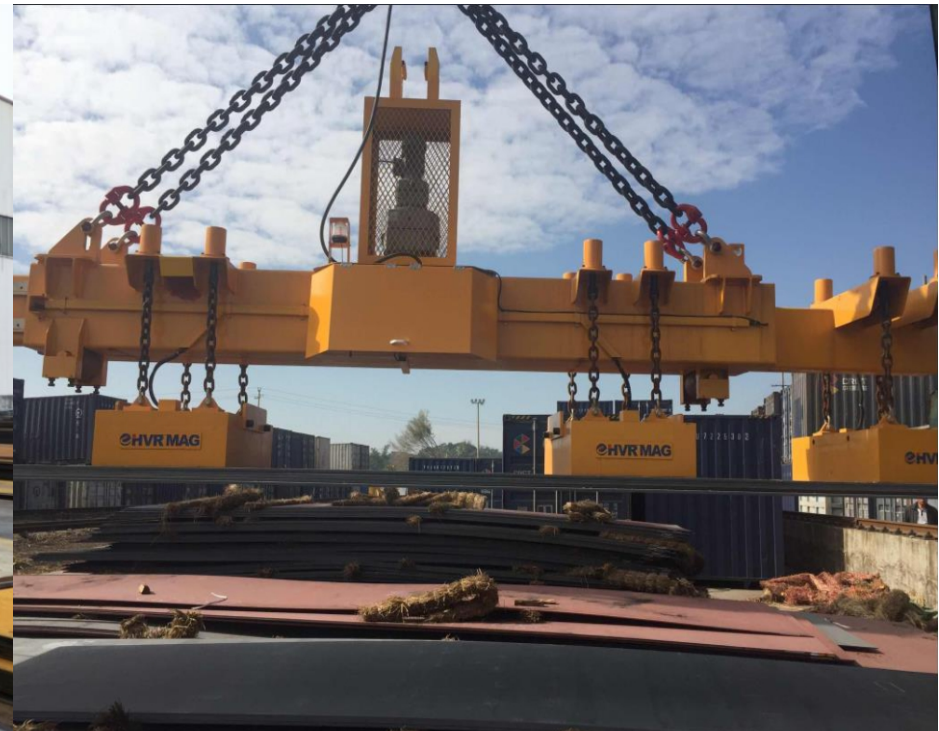
04

Cutting table



05

Multiple plates lifting



07

Lifting steel profiles

Lifting Pipes



Lifting H-beams



06

Coil lifting



08

Battery powered lifting magnet







2. Magnetic gripper



Application

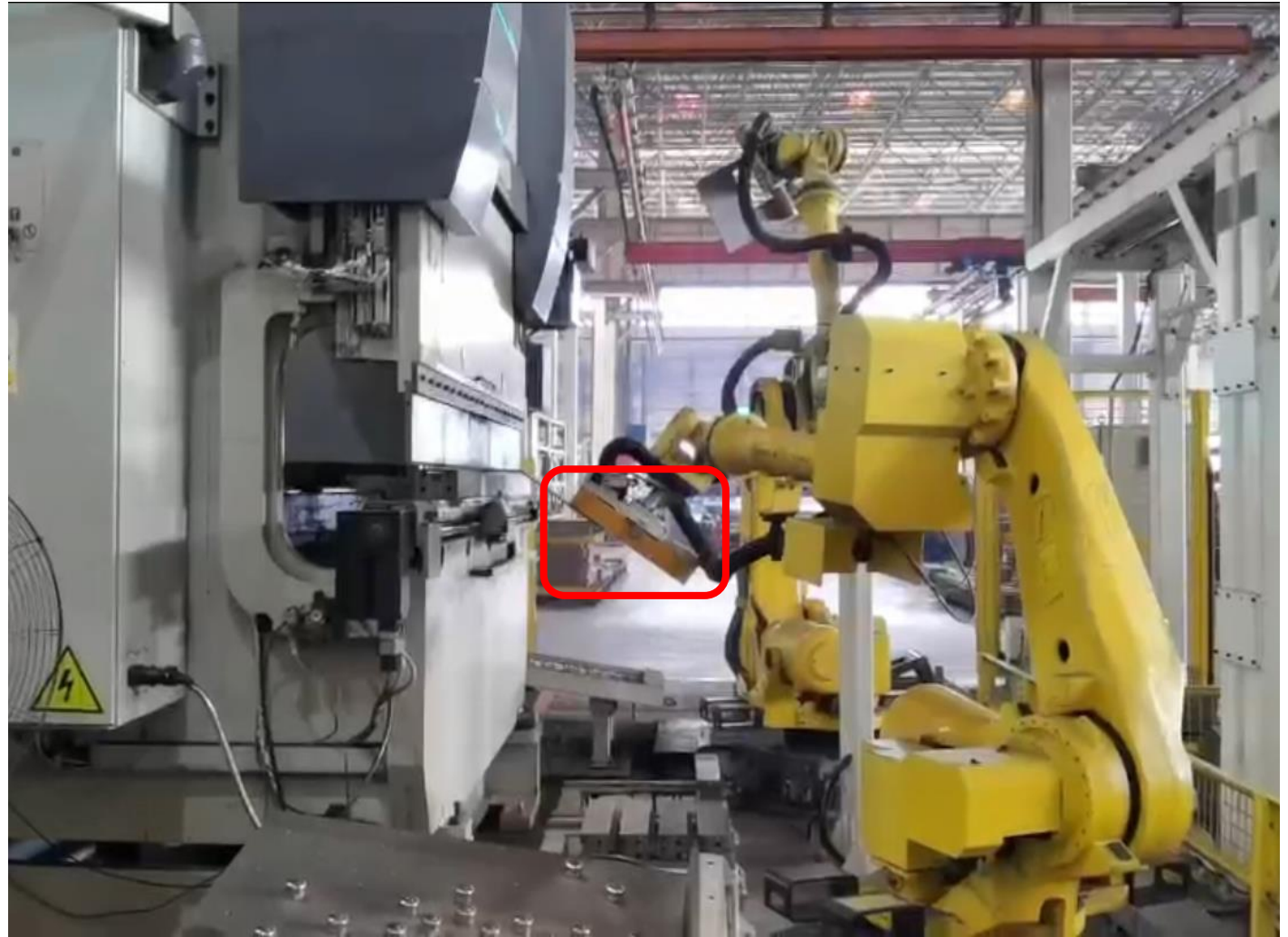
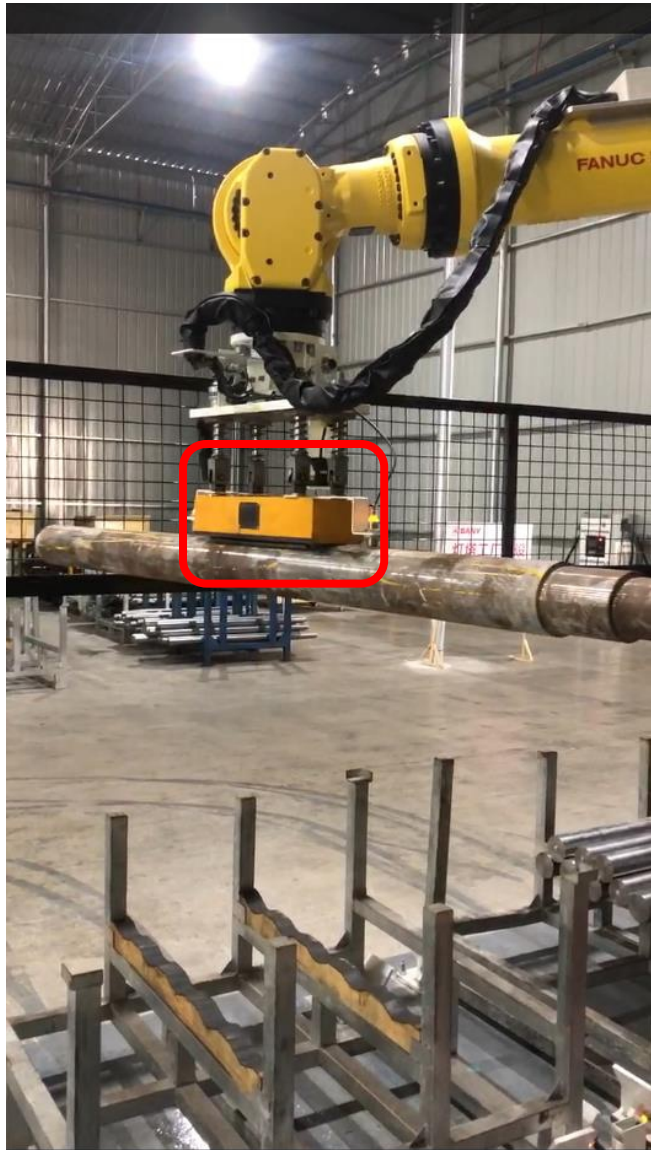
Automatic line



01

Magnetic gripper with robot





02

Magnetic Gripper for Gantry Robot

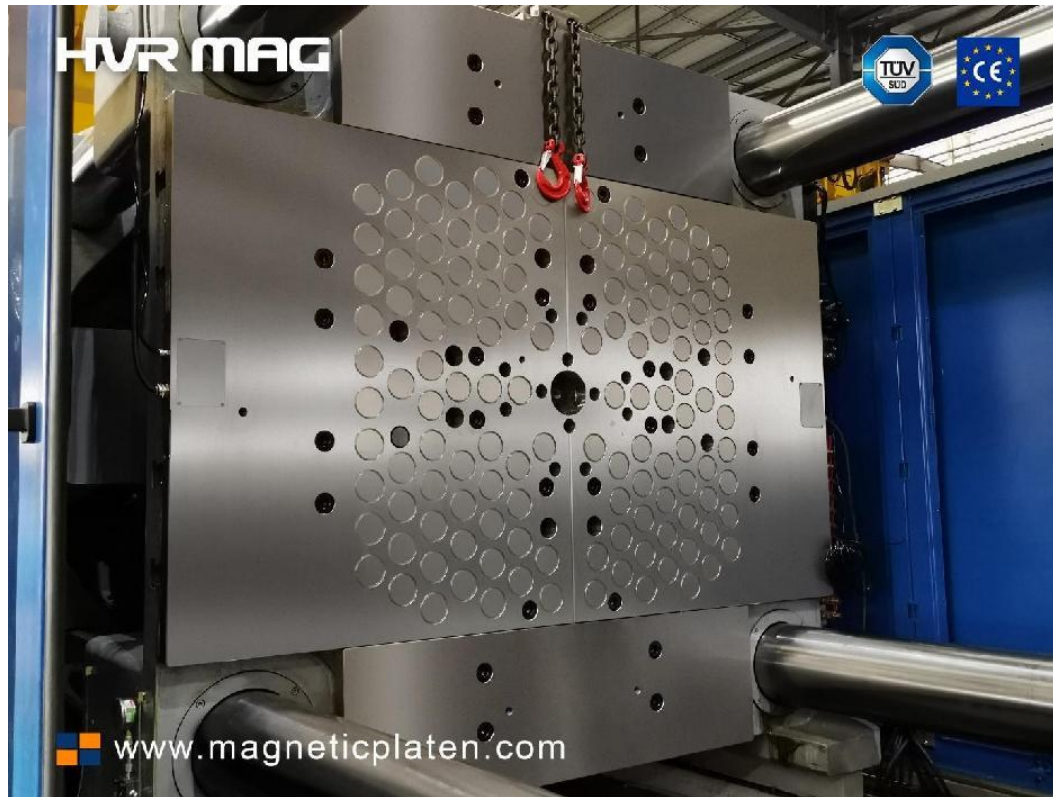


3. Quick mold change

—— Safe and energy-saving

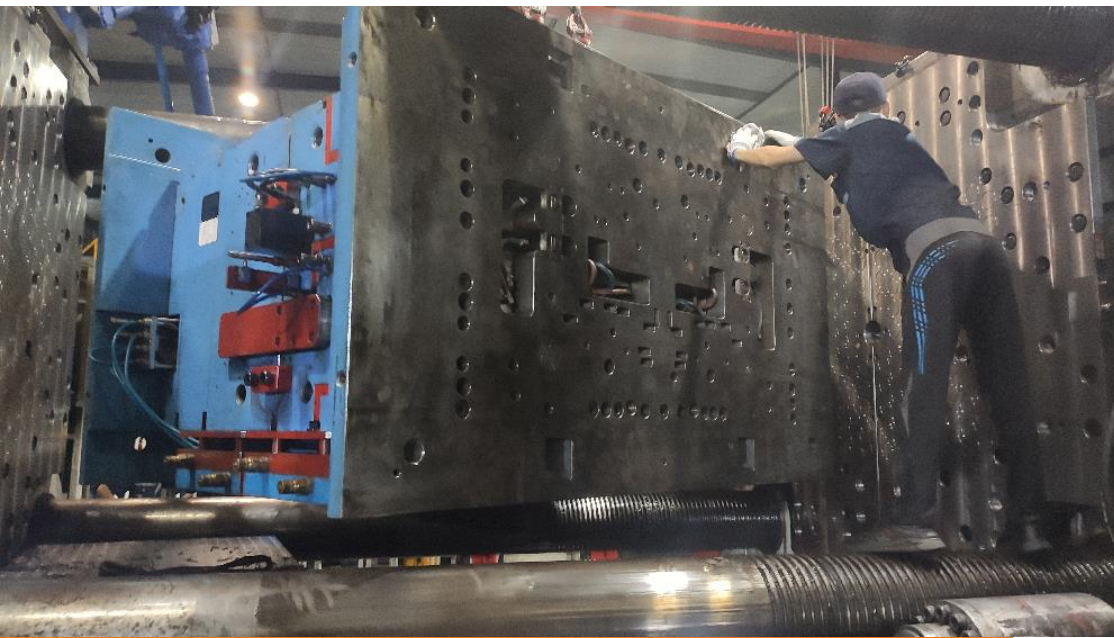
Our Application

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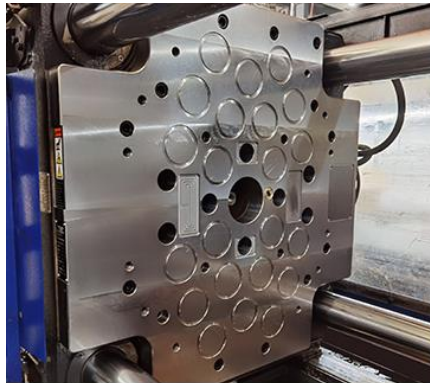
Our Application Cases

HVR MAG

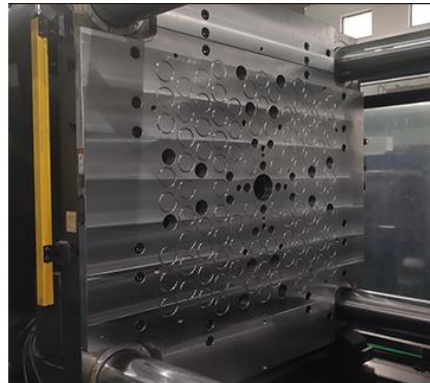


Application cases

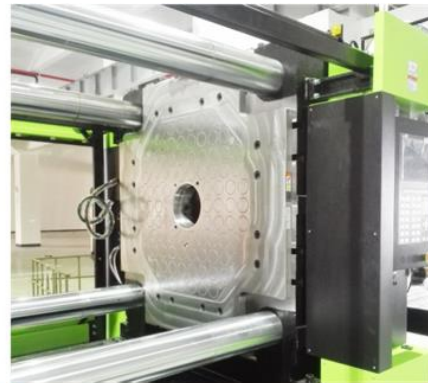
HVR MAG



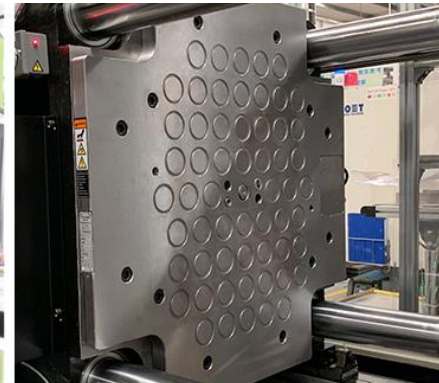
01 TEDERIC 180T



02 TEDERIC 1000T



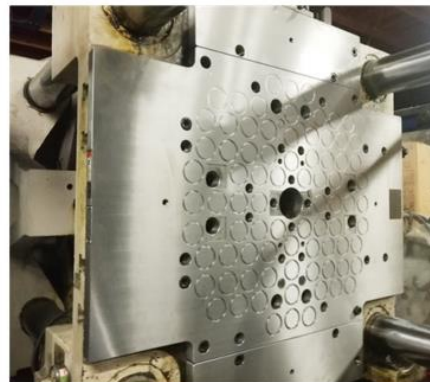
03 YIZUMI 360T



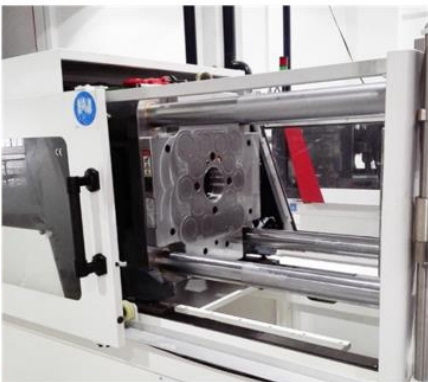
04 NISSEI 250T



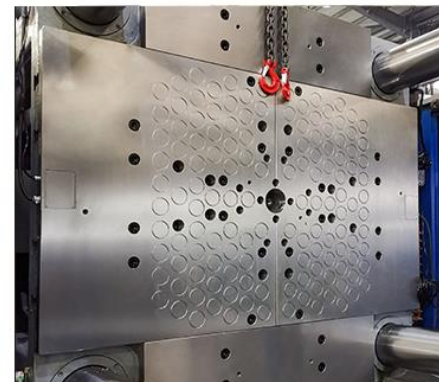
05 Arburg 180T



06 TEDERIC 800T



07 MILACRON 110T



08 TEDERIC 1500T

4. Magnetic chuck

