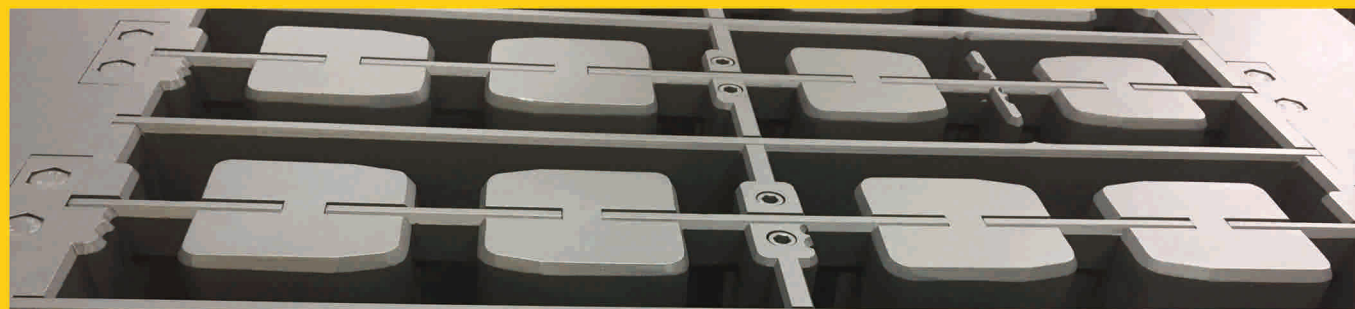


Compassion
with experience bring you
a reliable partner for your block
making business.

With biggest market share in China which 90% of the users are high quality machine users as MASA, HESS, TIGHER, BESSER, POYATOS etc. as well as officially recommended by HESS China as mould supplier for their plants, It is now the most professional and largest annual output mould manufacturer in China.



Quality Products Only

Mould Pigment Steel pallet

Your reliable partner for your block making business.

More than 16 years' Chinese manufacturing experience with advanced technology.

HUAIAN LAIFU MOULD SCIENCE & TECHNOLOGY CO., LTD

HAWK ENGINEERING LTD

www.laifumould.com

About us

Huaian Laifu Mould Science & Technology Co., Ltd, established in 2006, is a professional mould manufacturer for dry cast concrete industry, such as blocks, pavers, retaining walls, kerbstones or slabs etc. It adopts advanced technology and unique heat treatment process, which greatly improves the processing precision and service life of the mould.

With biggest market share in China which 90% of the users are high quality machine users as MASA, HESS, TIGHER, BESSER, POYATOS etc. as well as officially recommended by HESS China as mould supplier for their plants, It is now the most professional and largest annual output mould manufacturer in China.

As a rising company in concrete block making industry, we are now serving more than 200 companies from all the world, we provide not only one product but a one-stop solution for a successful block factory.

We care what you care!

Contents

- 03 Factory glance
- 05 Worldwide cooperation
- 06 Mould
- 13 Pigment
- 15 Steel pallet

Factory glance

Organized, rapidly, standard



Factory aerial view



Customer visting



Technical detail discussion

Factory glance

Organized, rapidly, standard



Office building



Laboratory



Machining workshop



Heat treatment workshop



Assemble workshop

Worldwide cooperation

Solution, service, partnership

As a rising company in the block making industry, we are now serving more than 100 companies from all over the world, no matter large-scale enterprise which own biggest size German machine, such as MASA XL9.2, HESS RH2000 or small factory which only run with a QT3-15 machine.

We could always provide the most suitable products, service and advice to grow their business.

We believe:

THE BEST ONE MAY NOT THE RIGHT ONE FOR EVERYONE, BUT THE RIGHT ONE MUST BE THE BEST ONE FOR ANYONE!



KSA factory with HESS RH1500



UAE factory with Masa XL9.2



Russian factory with Poyatos Universal S4



China factory with Tiger machine

High quality mould

Precisely shaping the concretes

About Equipments

More than 15 years experience with high skilled technology and reliable manufacturing equipments, quality been approved by all high-end customers.

Our moulds fit a broad rang of block machine, both table-vibration system and mould-vibration system. Such as: MASA, HESS, HENKE, TIGER, BESSER, KVM, OMAG, FRIMA, QUODRA, ZENITH, and Chinese machines etc.

- Equipments:
- Messer OmniCut plasma cutting machine
 - CNC machining centers
 - Wire EDMs
 - Universal digital milling machine
 - Universal tool grinder
 - Carburizng funace
 - Nitriding furnace
 - etc



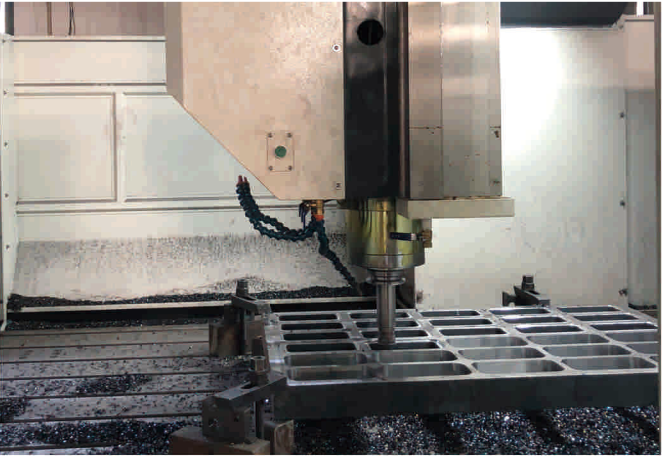
Messer OmniCut plasma cutting machine



Universal toll grinder



CNC machining centers



Processing mould core in machining center



Wire EDM workshop



Welding



CNC gantry milling machine



Heat treatment device



Assemble booth 1



Coordinating top and bottom mould

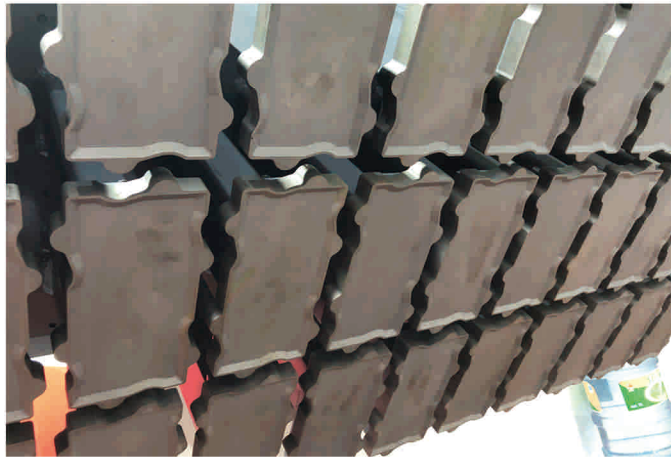
Mould

Precisely shaping the concretes

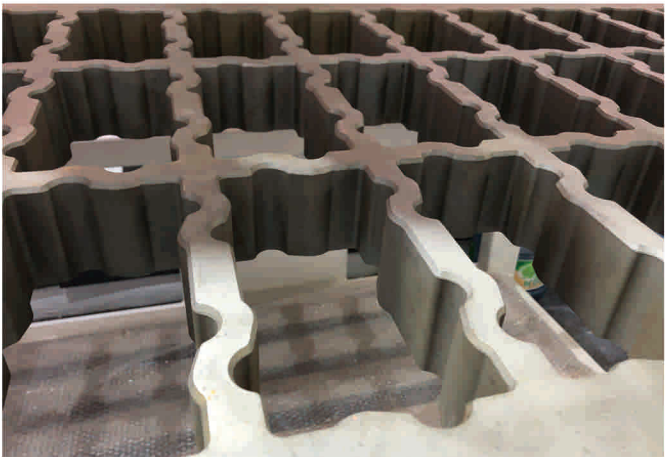
About Technology

ADVANTAGES:

- Specialized alloy steel customized from the world top 500 steel company
 - Following European standard manufacture processes
 - Extremely strict quality control through the whole processing to make sure the tolerance under control as per design
- Over 20 years superior heat treatment skill, with unique formula and processing, which gives higher hardness and more even carburized layer with less deformation
 - Hardness for inserts: HRC61-65
 - Hardness for shoes: HRC59-62
 - Carburized layer thickness: 1.3-1.5mm



High accuracy and hardness tamper shoes



High accuracy and hardness inserts



Quality control after production



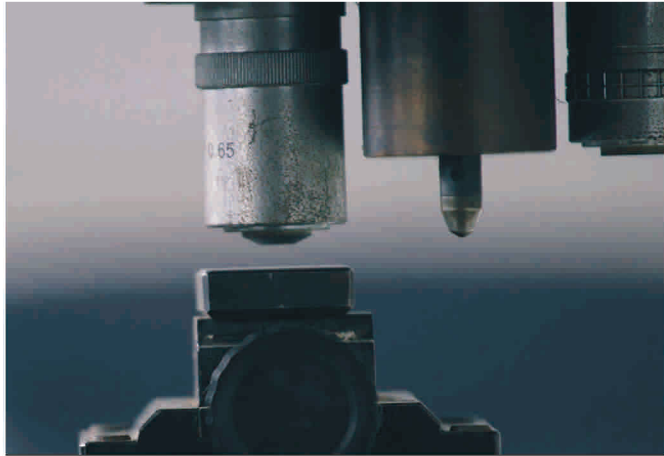
Mounting size checking



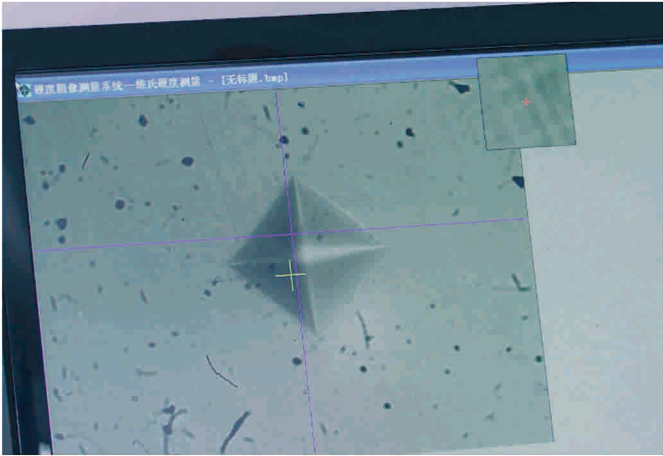
Holes to lighten the whole mould



Perfect coordiante of shoes and inserts



Hardness testing



Hardness testing display

Mould

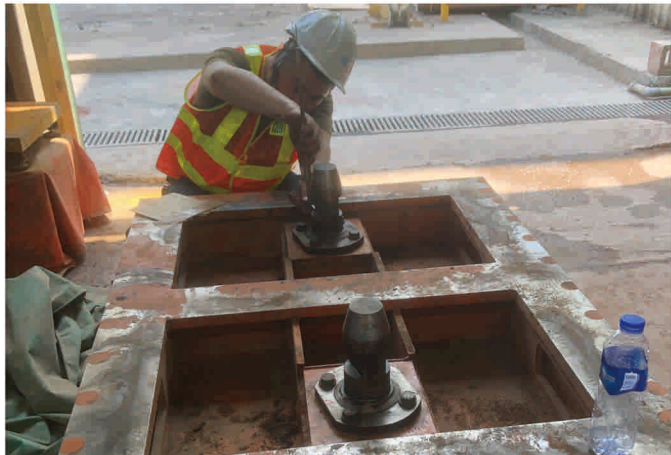
Precisely shaping the concretes

About Service

MOULD MOUNTING SIZE SURVEY SERVICE:

For special, old or machines that customer don't have mould mounting drawings. An on site suvery visit could be paid for free of charge.

Laser assisted scanning technology is used to scan and digitize all kinds of different models from nature or existing concrete blocks.



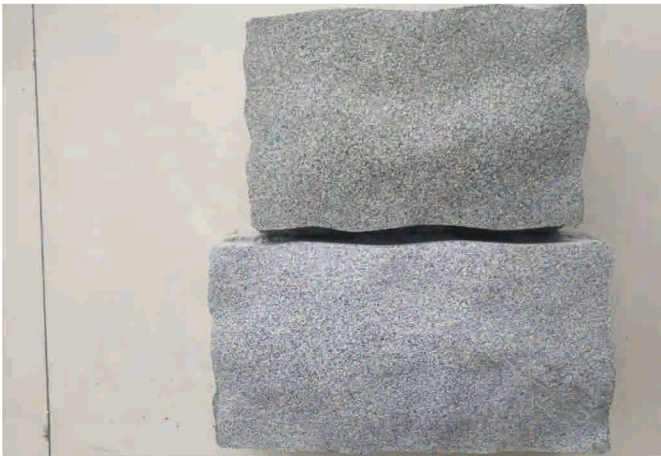
Mounting size surveying



3D scanner



Mounting size checking

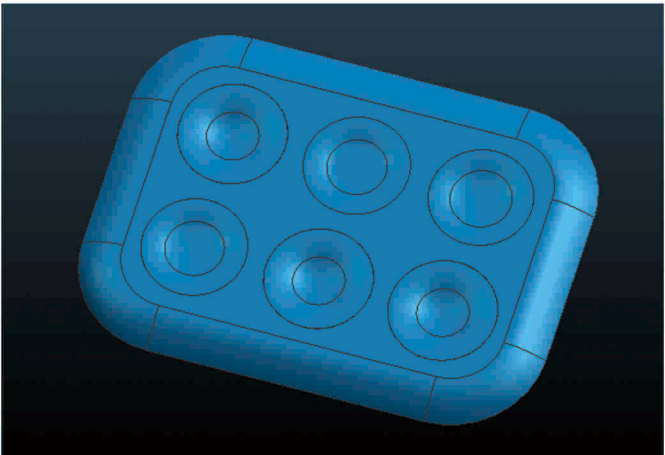


Wave paver made through 3D scan

A 3D model can be made, in which the blocks are visibly detailed during the development phase, a testing mould proofing can be produced to visualize the end product better.

To achieve the appearance of "natural stone texture", any sketches, images, natural stones or 2D templates are used to crete true-to-scale block modules in virtual 3D drawings.

Specilized coating applied to avoid conglutination of concrete which could easily break the very unique surface.



3D simulation for customized mould



Shoes with real stone texture and anti-adhesion coating



Customize stone shape mould proofing



Rock texture paver

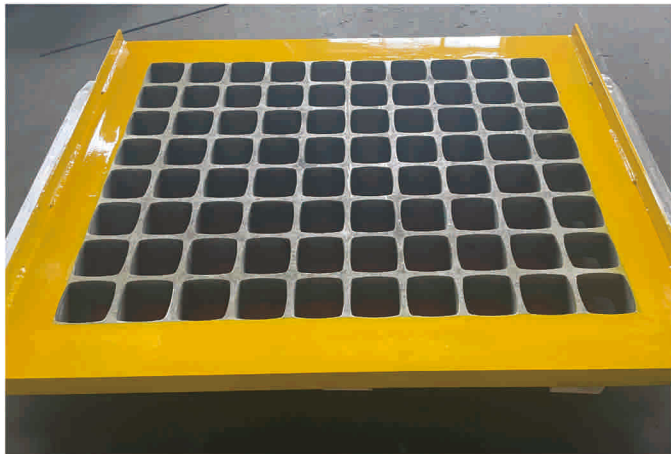
Mould

Precisely shaping the concretes

Pigment

Color your porducts, color your city

Experience



Classico mould for HESS RH1500



Thermal block mould for Masa XL9.2



Basket wave holland paver mould for HESS RH2000



Foam device of thermal block mould for Masa XL9.2



Paver mould for Tiger PS50



Various mould for Poyatos Universal S4

With 20 years experience in pigment industry, we have a complete supplying chain to cover full range of iron oxide pigments, including but not limited to iron oxide red, yellow, black, orange, brown, compound ferric green and micronized products. Complete raw material evaluation, precise production control, strict testing procedure and comprehensive tracking system, to assure the consistency and quality of our product.

Our experienced technical group and advanced laboratory facilities give us the ability to successfully manage process examinations, product control and adjustment control so we can standardize the quality of all products.



Oxidation tanks for yellow color



Oxidation workshop



Laboratory



Laboratory

Pigment

Color your products, color your city

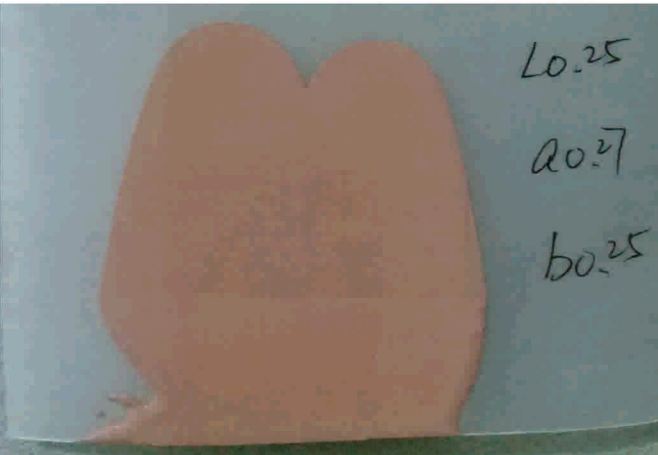
Same supplier with big brands companies, such as Lanxess, or Sterling etc, we minimize the cost for branding but keep the exactly same quality for our customer.

Customize service can be provided by send us sample to avoid the color difference with your current pigments.

- Quality assurance system: ISO9001:2008I
- Quality standard: ISO1248,EN12878I
- Test method: ISO787,EN12878I
- Color tolerance: $\Delta E \leq 1.0$; $\Delta L \leq 0.8$; $\Delta a \leq 0.8$; $\Delta b \leq 0.8$;
- Tinting strength: 95% -105%



Different color pigments powder



Copy color and proofing



Neat and tidy packing for delivery



Loading into container

Steel pallet

Best vibration conduction

List as one of the 4 special steel industrial bases by the “Twelveth Five-Year Plan” of national iron and steel industry and Chinese special steel technology leading enterprise.

With annual production capacity of 5 million tons of iron, 6.9 million tons of steel and 6.6 million tons of billet.

Main equipments such as iron making, steel making, steel rolling and testing all imported from abroad.

WE CONTROL THE QUALITY OF STEEL PALLETS FROM THE BEGINNING.



Part of 3,000,000m2 factory



150t converter furnace



4300mm heavy plate mill

Steel pallet

Best vibration conduction



Steel plate cutting workshop



Cold leveller



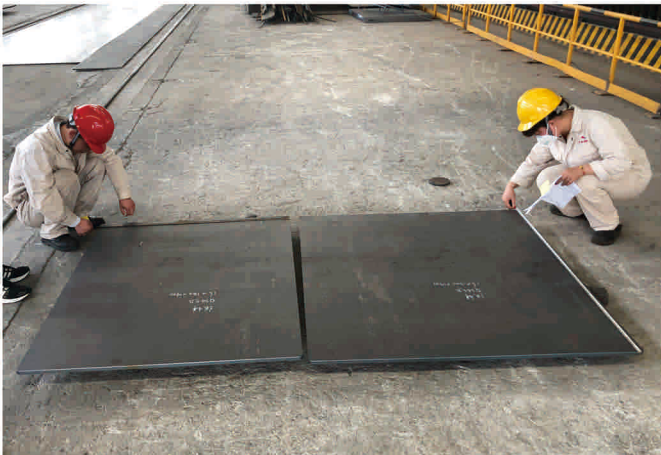
Soni plasma cutting machine



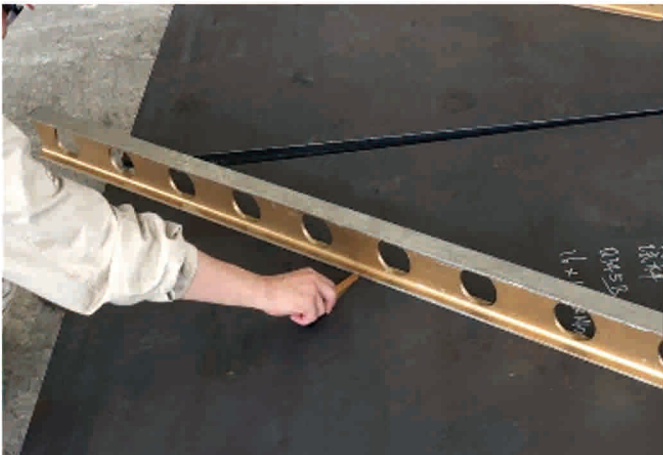
Laser cutting machine

- ADVANTAGES :
- Tailor made steel plates obtained from customized processing for raw material
 - High accuracy laser and plasma cutting with fine corners
 - Automatic edges treatment
 - Automatic load testing
 - Strict dimension and flatness inspection

- TECHNICAL DATA:
- Yield strength \leq 370MPa
 - Tensile strength:520-630MPa
 - Flatness \leq 1mm/M
 - Size tolerance $\leq\pm$ 1mm
 - Diagonal tolerance \leq 3mm



Dimension checking



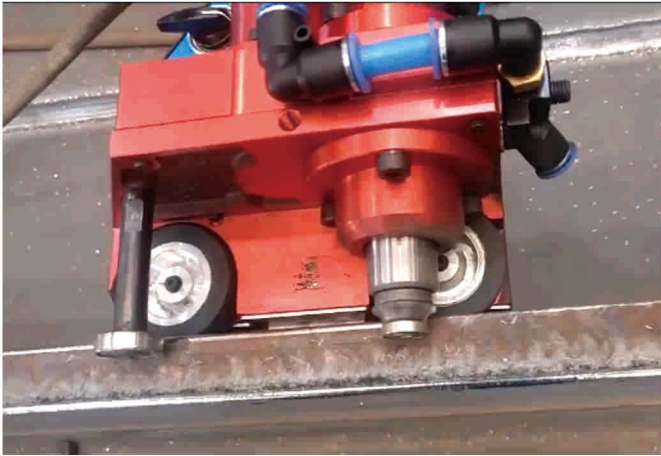
Testing flatness



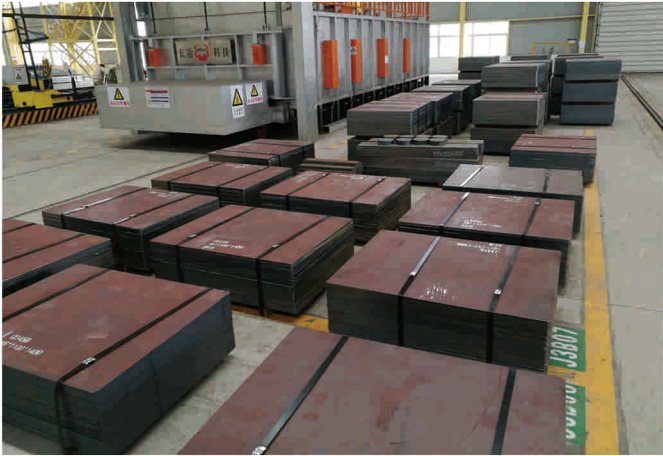
Cooperative companies



Certificates



Chamfer making



Neat packed for delivery