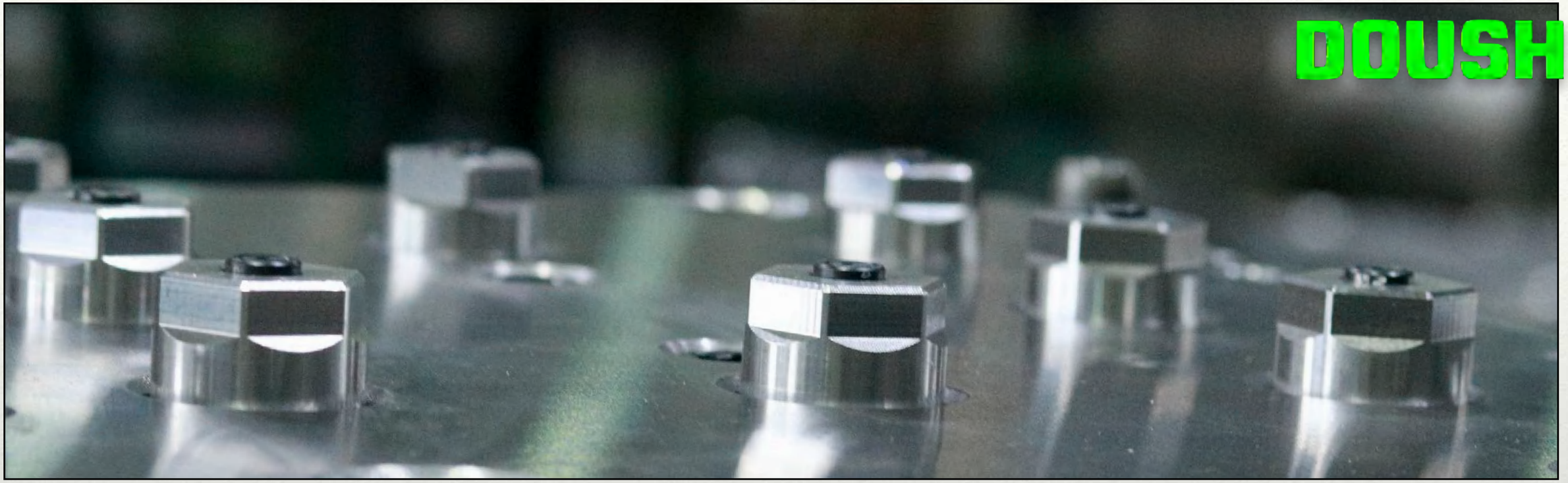


DOUSH cold runner block

斗士冷流道

best choice for material saving

为您提供最优材料节约方案

DOUSH

Best CRB for choice

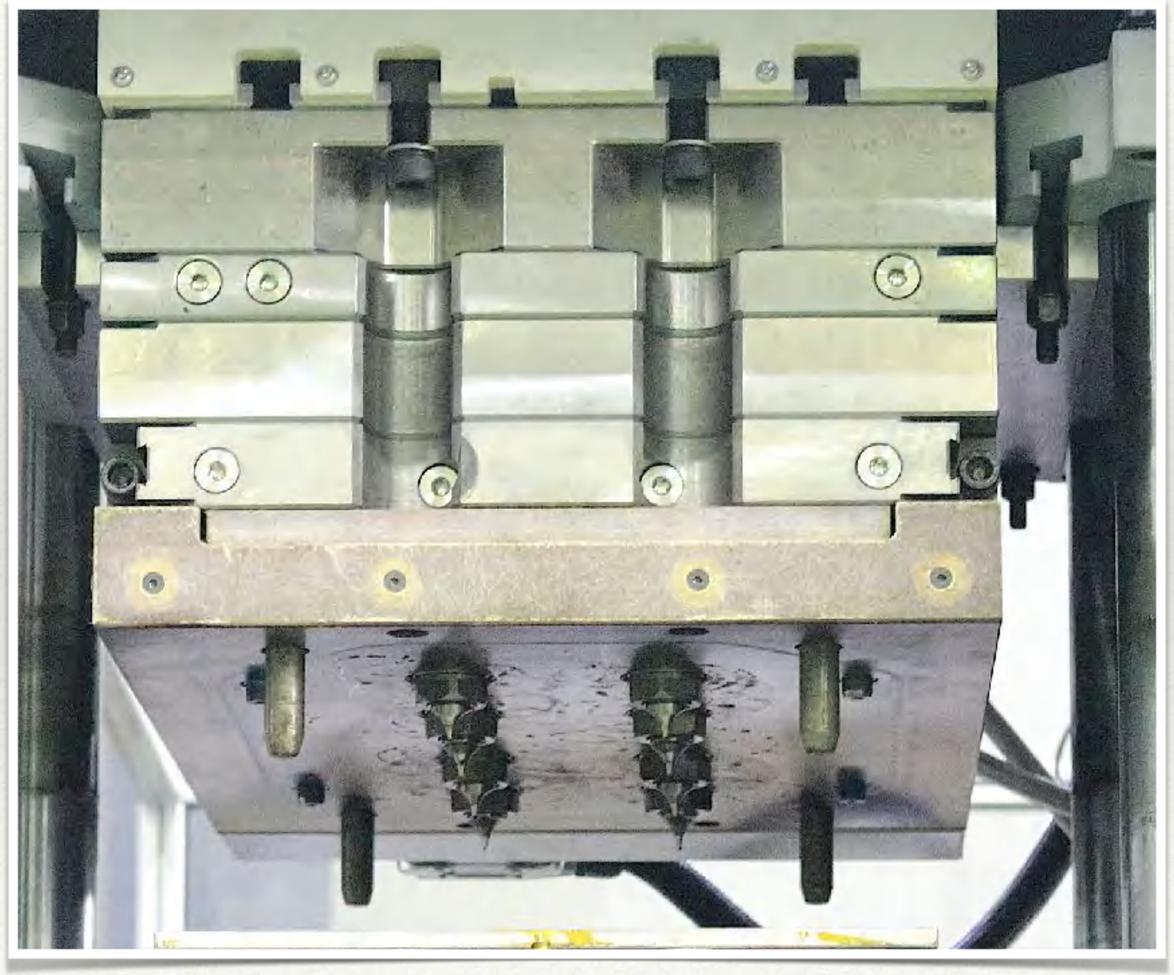
- Multi-platens CRB: 2 nozzles - 64 nozzles
- Intergal block CRB： 2 nozzles - 48 nozzles
- Needle CRB: 2 needles - 32 needles
- ITM CRB



- **Just for saving……**
  只为节约而来

Why DOUSH CRB

- Rich experience in design
- injection volume balance control
- The parts of our CRB parts are standardization
- High precision machining process
- Big range of CRB for different part



Nozzle Nu. & part Nu. 注嘴数量与产品数量

- Base on different parts has different volume and different shape, nozzle number and part number Should be not same, also not fixed.
  由于不同类型的产品，产品的注射量、大小和形状都尽不相同，所以冷流道的注嘴数量和产品型腔数量并不相同，也不是固定的。

1 nozzle for 1 part
1个冷流道嘴对应1个产品

several nozzles for 1 part
多个冷流道嘴对应一个产品

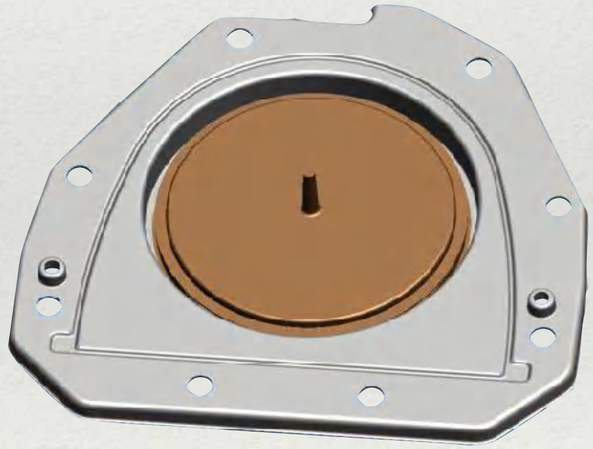
1 nozzle for several parts
1个冷流道嘴对应多个产品

1nozzle for 1 part

1个冷流道嘴对应1个产品



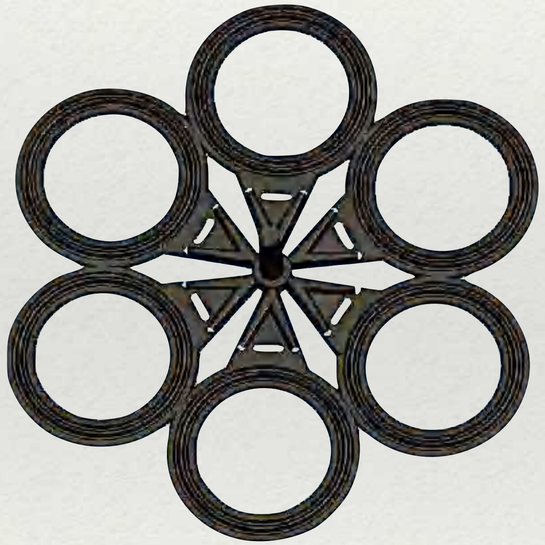




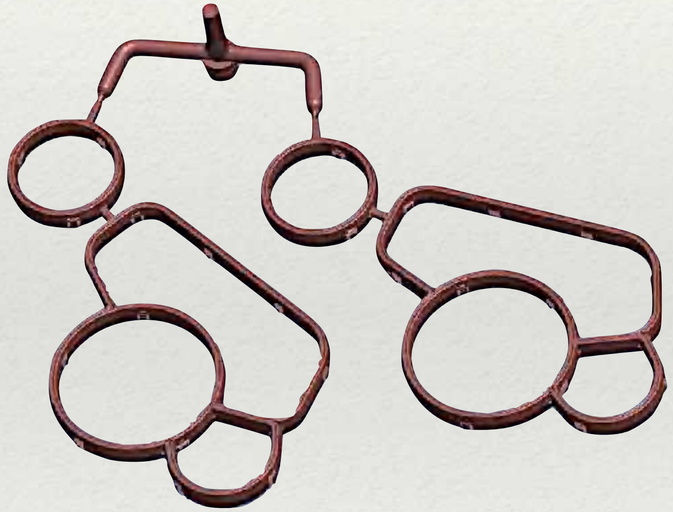
1 nozzle for 1 part

1nozzle for several parts

1个冷流道嘴对应多个产品



O ring
1 nozzle for 6 parts



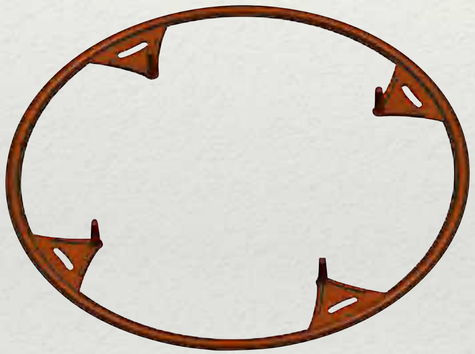
O ring
1 nozzle for 2 parts



Bush
1 nozzle for 2 parts

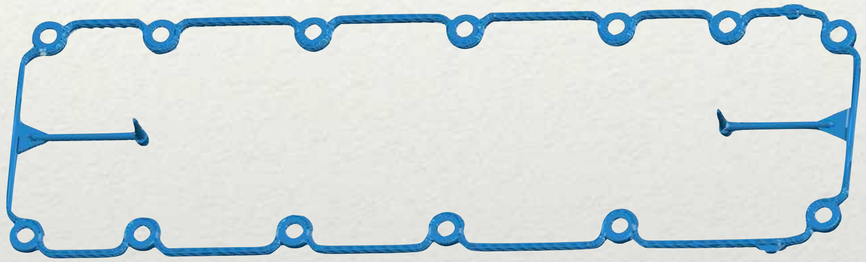
several nozzles for 1 part

多个冷流道嘴对应1个产品

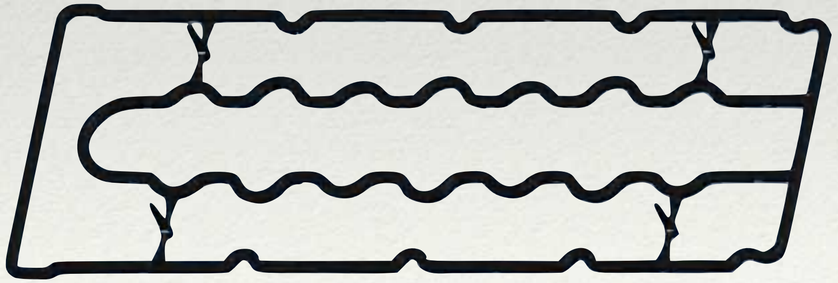


Sealing
4 nozzles for 1 part

silicon gasket
2 nozzles for 1 part



gasket
4 nozzles for 1 part

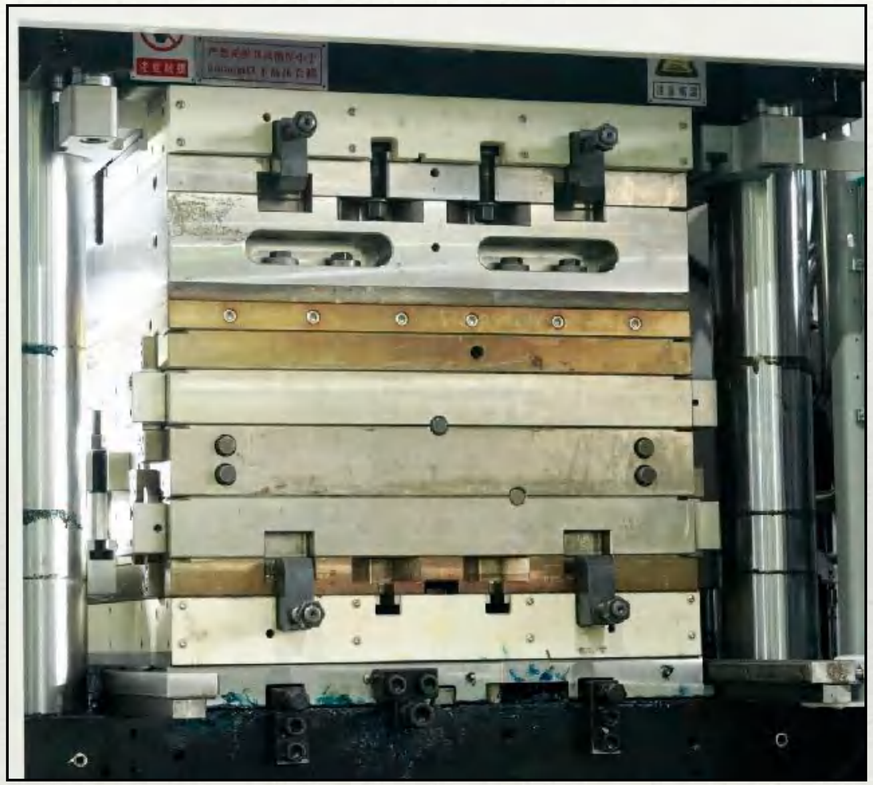


Multi-platens CRB

DOUSH

- Nozzle：2/4/6/8/9/12/16/18/24/32/48/64
- High precise machining of runner
- Easy to understand and maintenance
- More nozzles can be reach



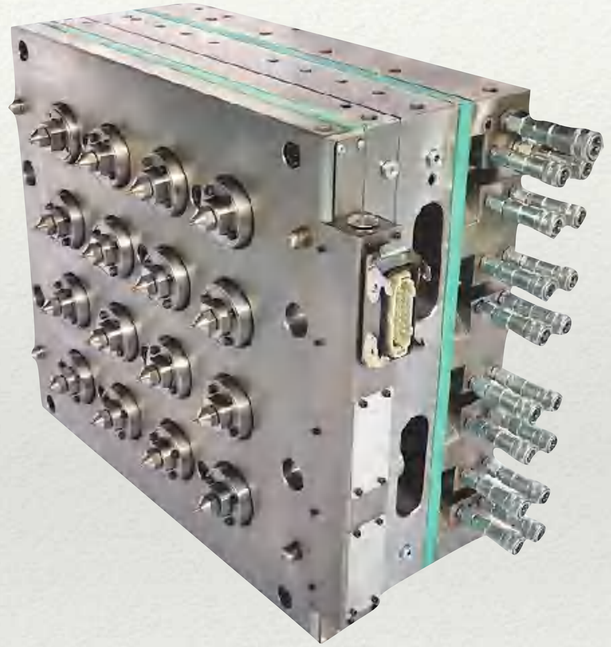


- High precision machining result high quality

Unitary block CRB

- Nozzle：2/4/6/8/9/12/16/18/24/32/48/64
- Easy and fast clean material inside runner
- Easy to control temperature inside block and nozzles
- Very long running life, none the worse of wear

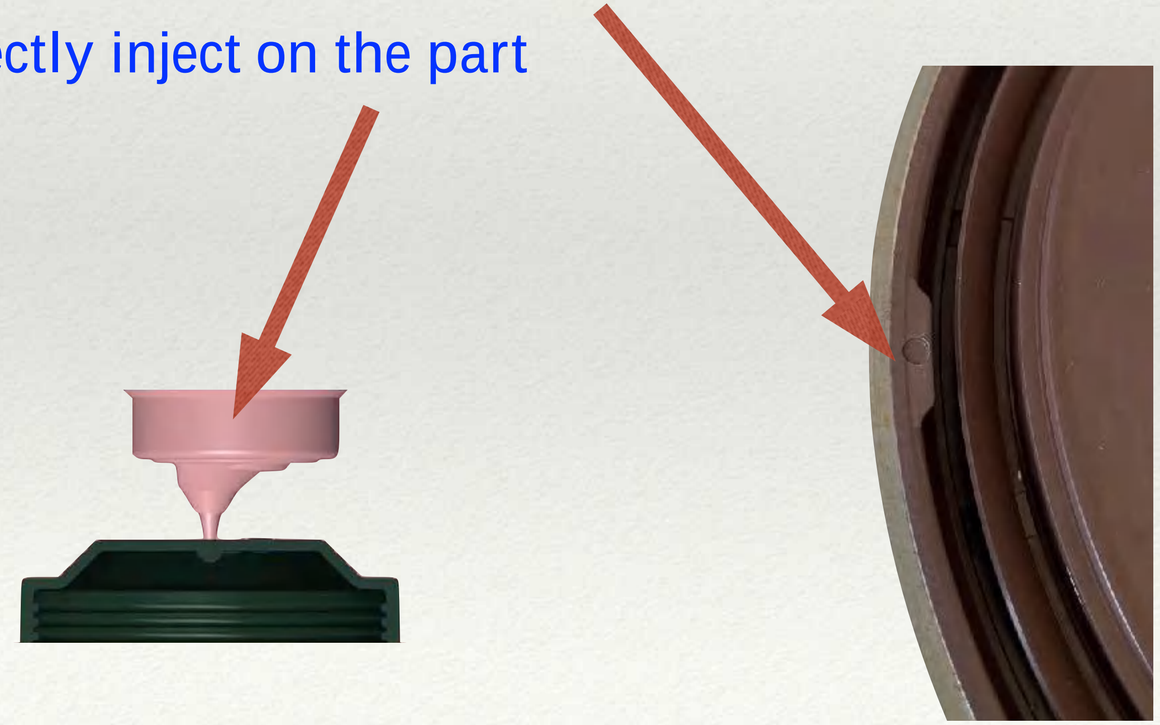




- High precision machining result high quality

Needle valve CRB

- Nozzle：2/4/6/8/9/12/16/18/24/32
- Needle valve CRB result no any material west
- Needle valve CRB result perfect surface
- Directly inject on the part

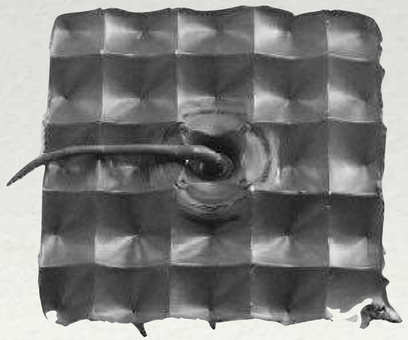




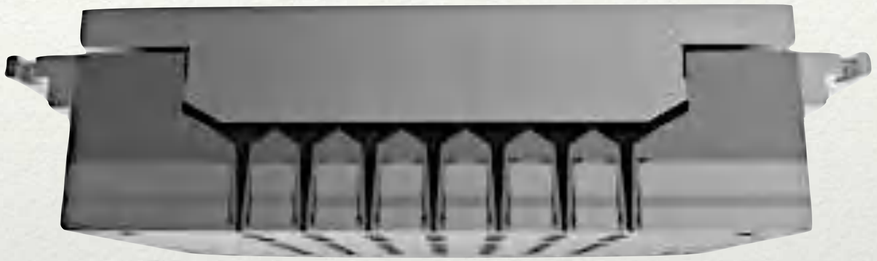
- volume and speed under control per needle

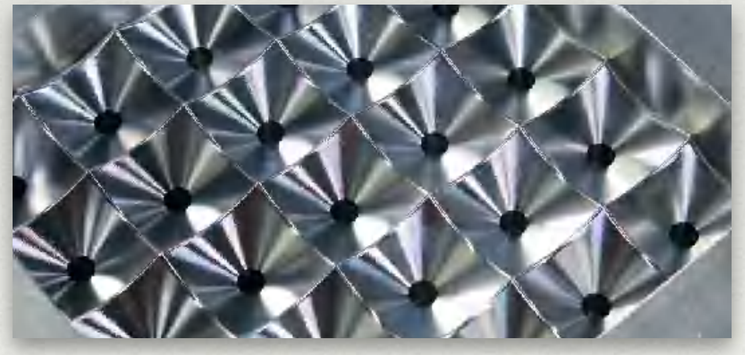
ITM CRB

- ITM technology fit to small injection volume but many cavities moulds
- ITM CRB give best solution, which save material, but also reduce cost compare to others CRB



material take out from ITM CRB

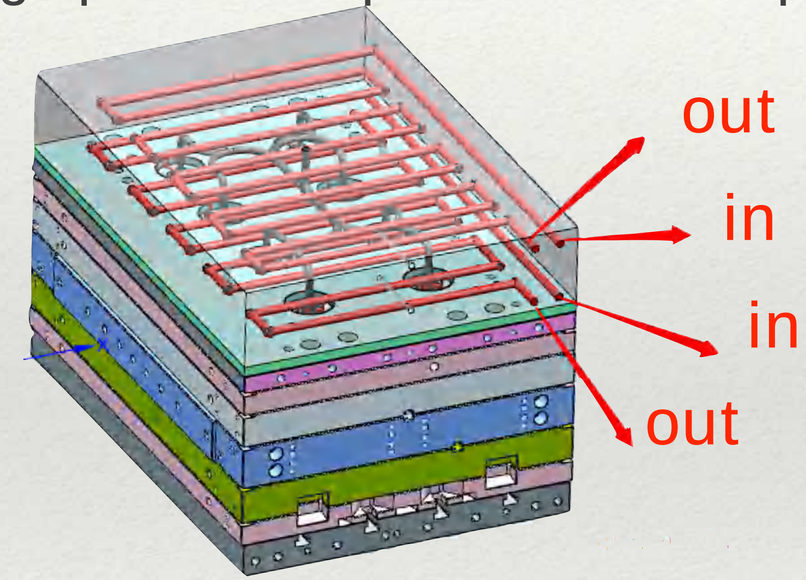




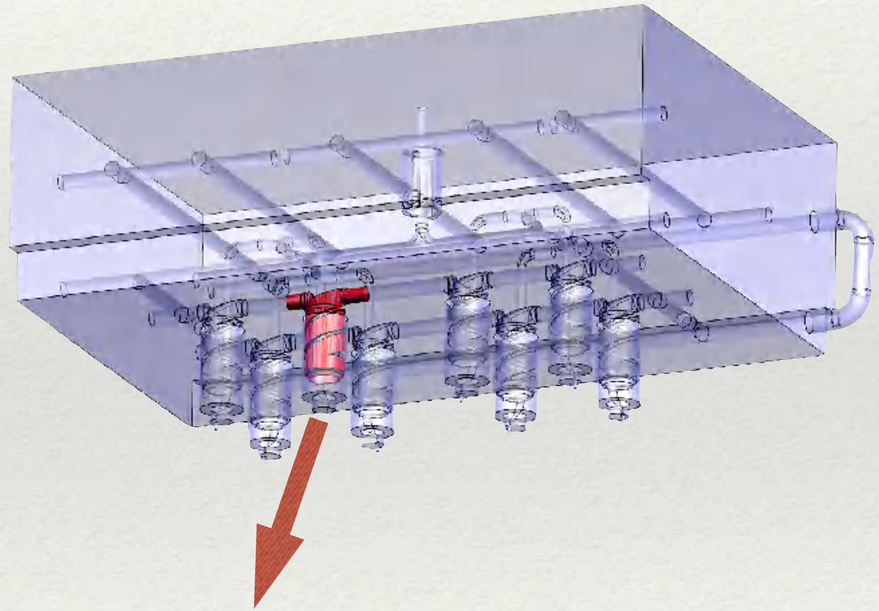
- 25 nozzles ITM CRB

CRB's Temperature control 冷流道的温度控制

- DOUSH all range of cold runner blocks equipped optimized cooling system；
- High precise temperature control per 2 cooling circuits.



- 2 cooling circuits, one for block and another one for nozzles



- Cooling circuit round the nozzles


+GF+
AgieCharmilles
MIKRON HSM 800 LP

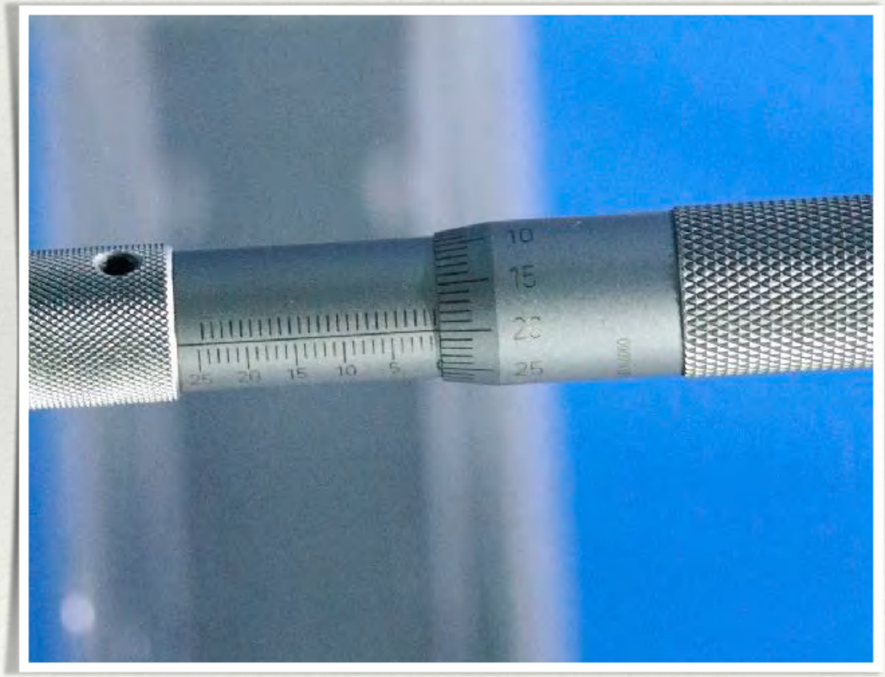



Mazak

Inspection equips 检测设备

DOUSH

- Quality under control






ZEISS
CONTURA G2
MSR
Multi Sensor Rack




smile 520/8
5S标准图

Process management 流程管理

DOUSH

Project questionnaire

- parts size and weight
- material info
- quantities request
- machine info
- material use ratio

Customer answer

CRB design

- CRB layout
- cavity Nu. and nozzle Nu.
- Material choice
- material use ratio forecast
- which type CRB use
- cooling circuit design

Customer confirm

Machining and control

- choice right process machine
- heat treatment
- assembly quality Control
  - Dimension Measuring
  - Cooling and heating
  - volume balance adjust
  - size and tolerance on fit

DOUSH inter control

Test

- dimension check
- connections with machine and mould
- cooling and heating connection
- Temperature control
- material clean and maintenance training

DOUSH test coustomer confirm

Thanks for your attention 感谢您的关注

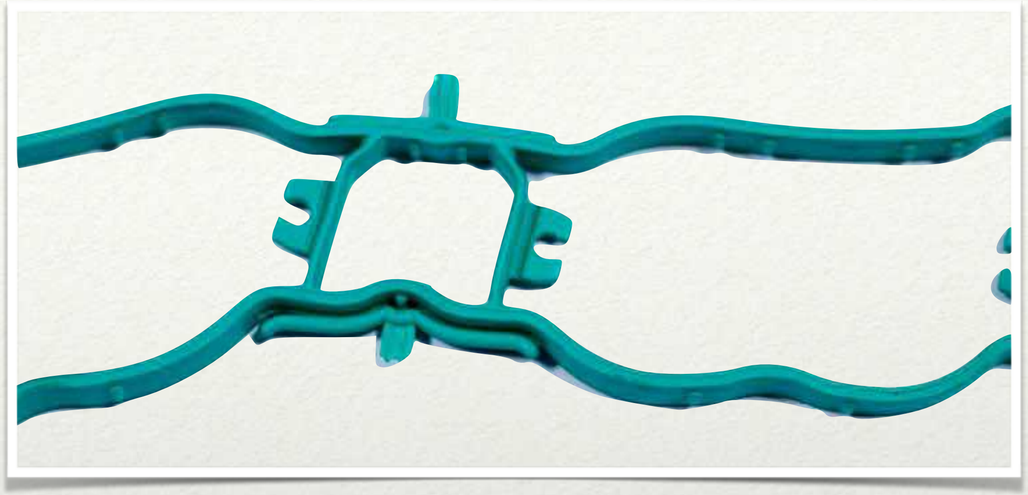
Normally, different parts use different type of CRB, different request choice different CRB, different CRB use different clean way, if you are interested, please contact us to know more.

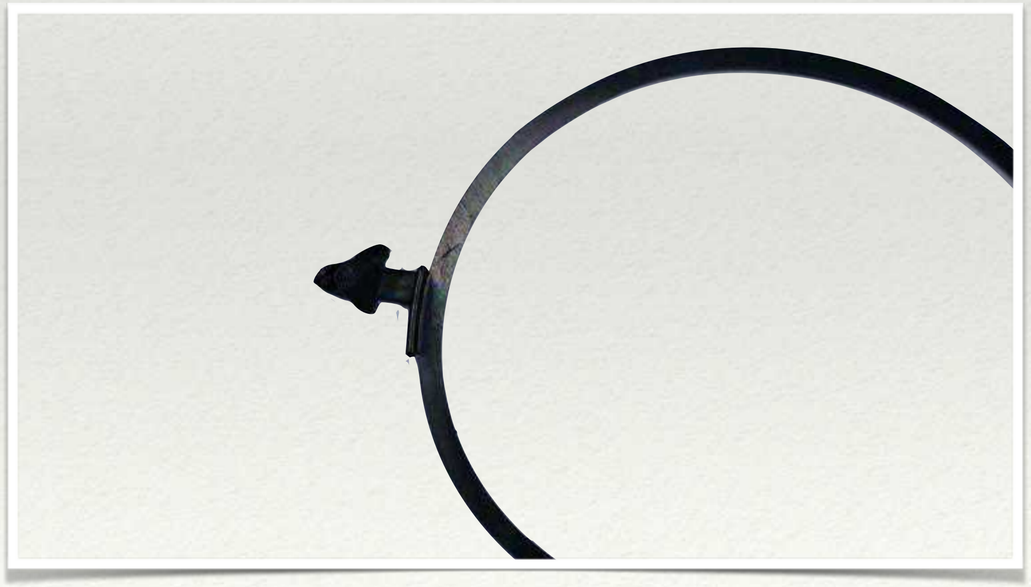
通常，不同类型的产品适用于不同类型的冷流道，不同的表面需求和节材需求，也适用于不同的冷流道；同时，不同的冷流道清理方式也不相同，如果您感兴趣，请联系我们了解更多。

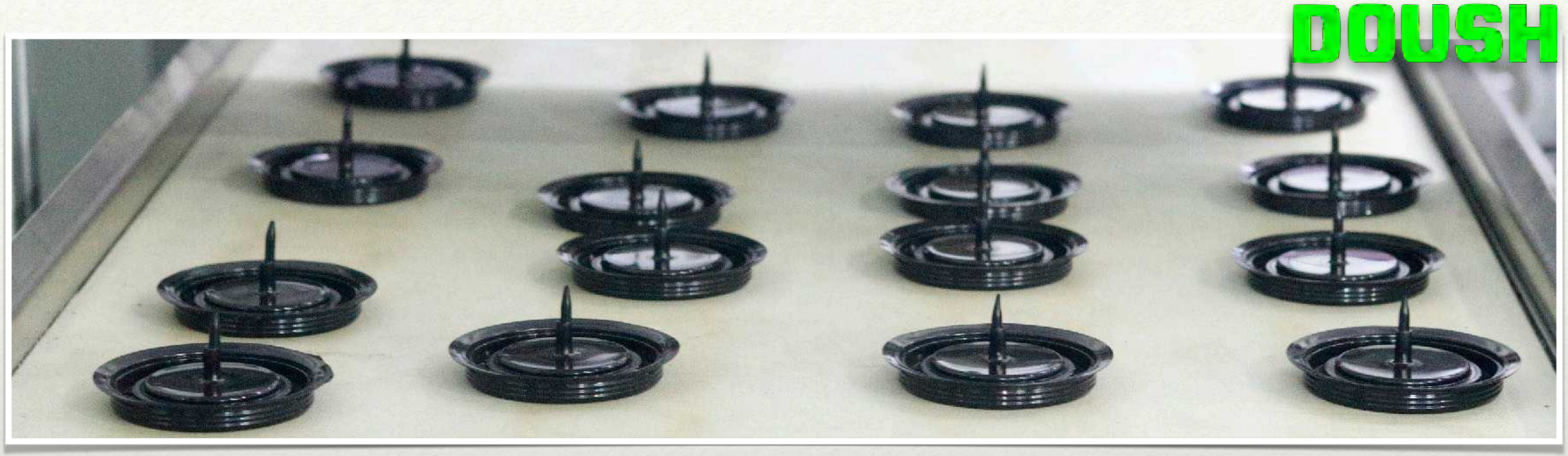
- **CRB for Flash-less projects**

DOUSH









CRB for Oil seal projects







CRB for Covers projects

DOUSH



















- bellows



- sealing strip



DOUSH

- Silicon shackle
- Silicon sealing



CRB for More projects









CRB for More projects





Production video

DOUSH

- We have different kind of production video, please look on our YouTube: https://youtube.com/channel/UCyCxiEHnIcp7nBDWd4VjQSQ