

Complex gripper, flexible assembly

CERG
End-Of-Arm-Tooling
机器人末端工装夹具 -EOAT

5.1

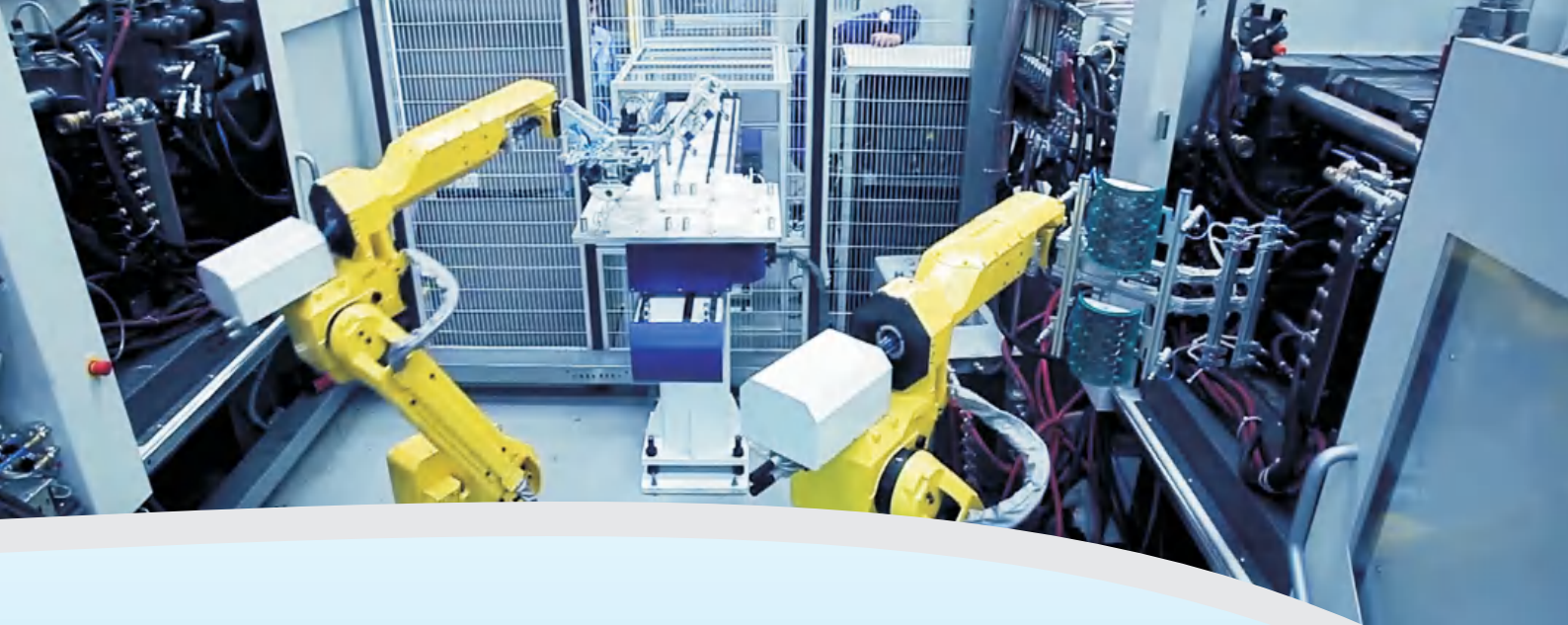
ROBOTICS PARTS CATALOG



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CRG 致力於机器人、机械手末端组件夹具（EOAT）设计开发、销售及服务，专注于注塑自动化领域12年，以模块化理念让自动化设计更简单、更灵活、更可靠。

CRG has been involving in EOAT design, development, sale and service. We have been operating in the field of injection automation for more than twelve years. Base on module design concept, to makes automation design simpler, more flexible and more reliable.



一家创新进取的企业; 一家专注自动化科技的公司; 一家值得信赖合作伙伴

An innovative enterprise; a company specializing in automation technology; a trusted partner.

经营理念: 简单的事情重复做,你就是专家。重复的事情用心做,你就是赢家。

Operation Concept :Repeating simple things , you are the expert. Repeating what you do attentively,and you will be the winner.

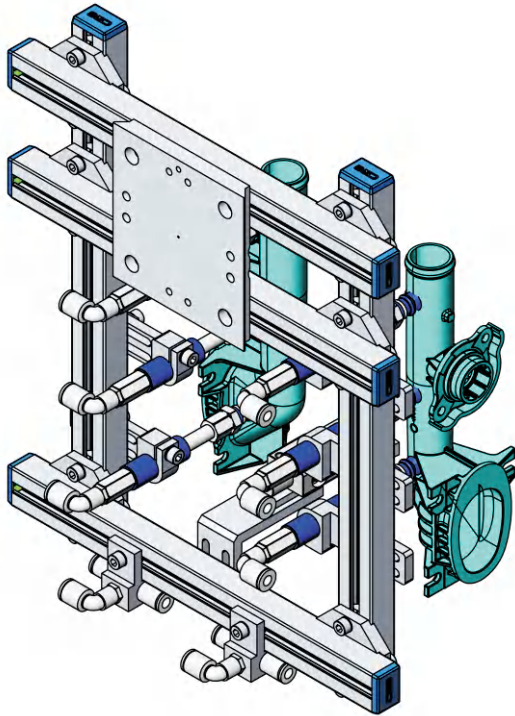
销售理念: 为客户提供最好的保障，让客户无后顾之忧。

Sales Idea :To provide customers with the best service, so that customers worry free.

运用实例 Application

基础框架

Base Frame



产品描述：

产品为一模两穴

产品采用吸盘取出，料头用水口夹取出

气路为两吸一夹

夹具约为2.0 kg

Product Description:

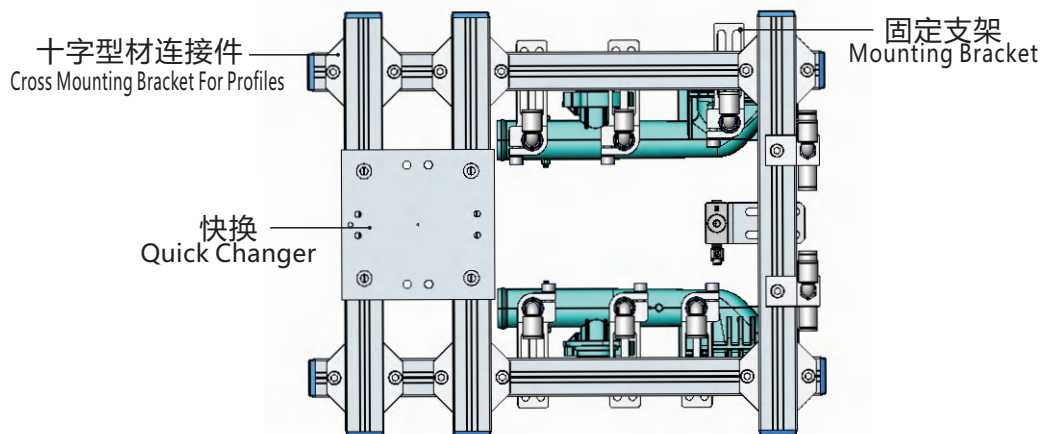
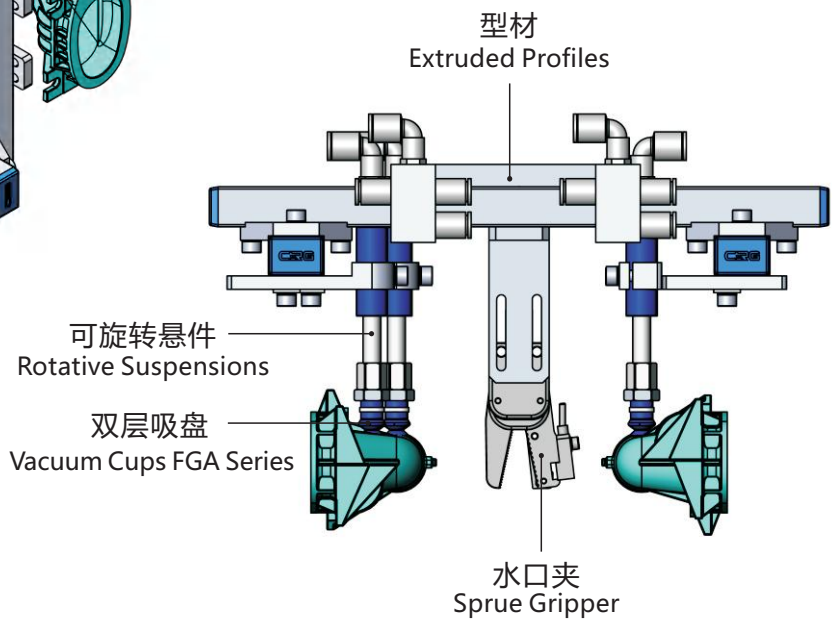
Two caves in one mold.

Take product out with vacuum cup;

Take sprue gate out with sprue gripper.

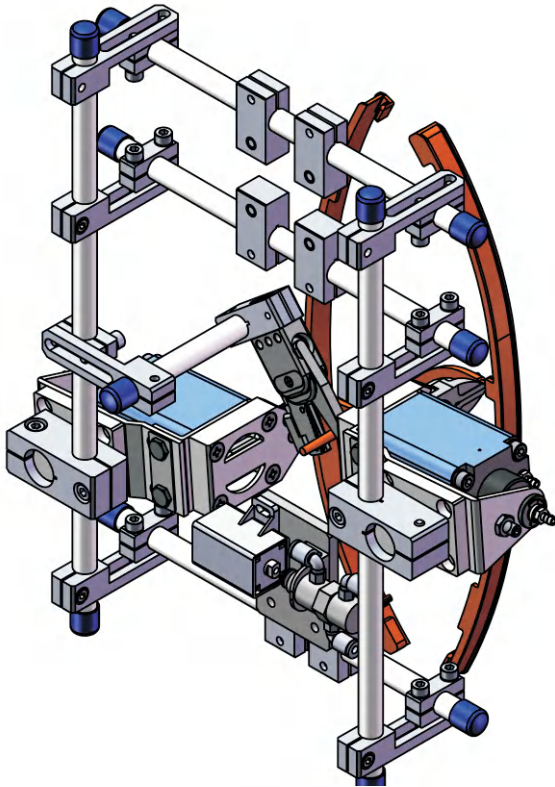
Gas circuit divides into two suction and one gripping.

The weight is about 2 kg.



运用实例 Application

基础框架 Base Frame



产品描述：

产品为一模两穴

采用水口夹取料头连带产品取出

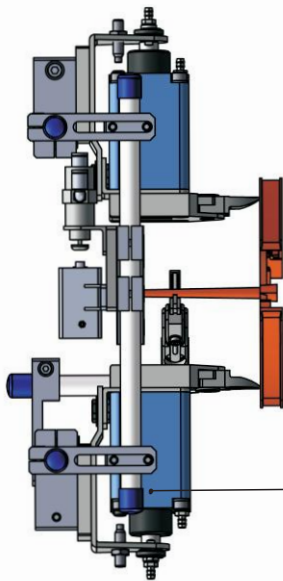
夹具约为1.5 kg

Product Description:

Two cavities in one mould;

Taking products out and clamping the sprue by sprue gripper.

The weight is about 1.5 kg.

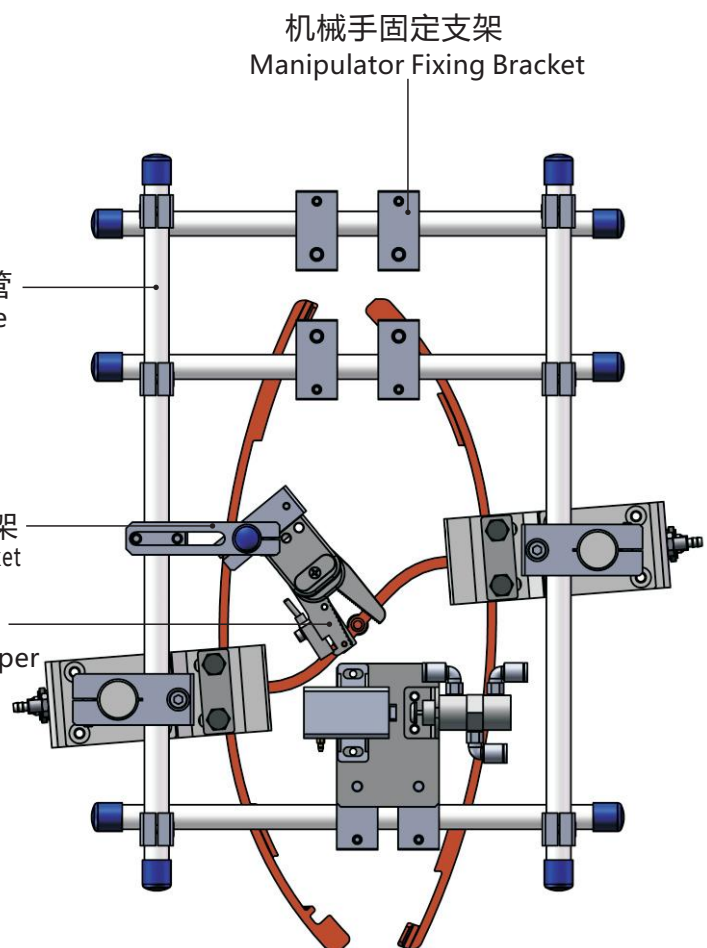


气动剪刀
Air Nipper

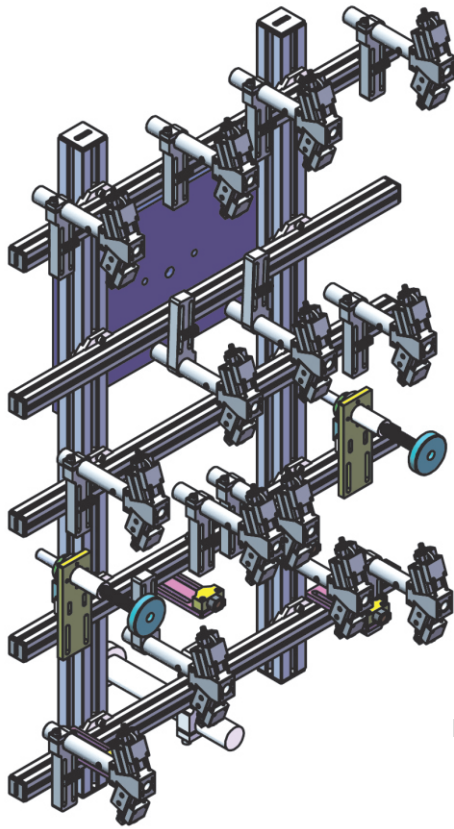
SUS钢管
Sus Tube

滑移支架
Slide Bracket

水口夹
Sprue Gripper



基础框架 Base Frame



产品描述：

产品为一模两穴

嵌件（无纺布）采用气动针夹取出，埋入
气路分为两路，一穴一路

重量：7 kg

Product Description:

Two cavities in one mould; Take out or embed the insert (Non-woven fabric) by pneumatic needle gripper;

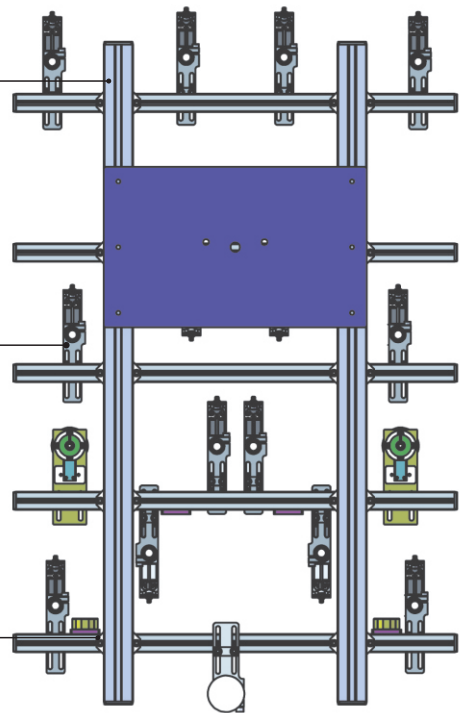
The gas circuit is divided into two paths; one cavity is one path.

Weight: 7 kg.

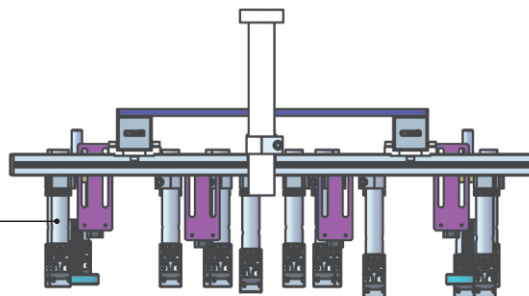
型材
Extruded Profiles

固定支架
Mounting Bracket

十字型材连接件
Cross Mounting Bracket For Profiles

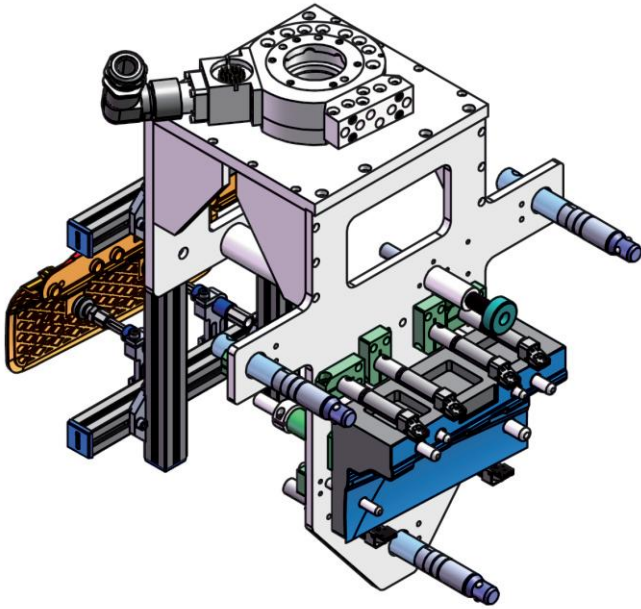


气动针夹
Pneumatic Needle Gripper



运用实例 Application

基础框架 Base Frame



产品描述：

产品为一模一穴

一侧取出，一侧埋入

取出侧：采用吸盘，拨指取出

气路为吸盘一路，拨指一路

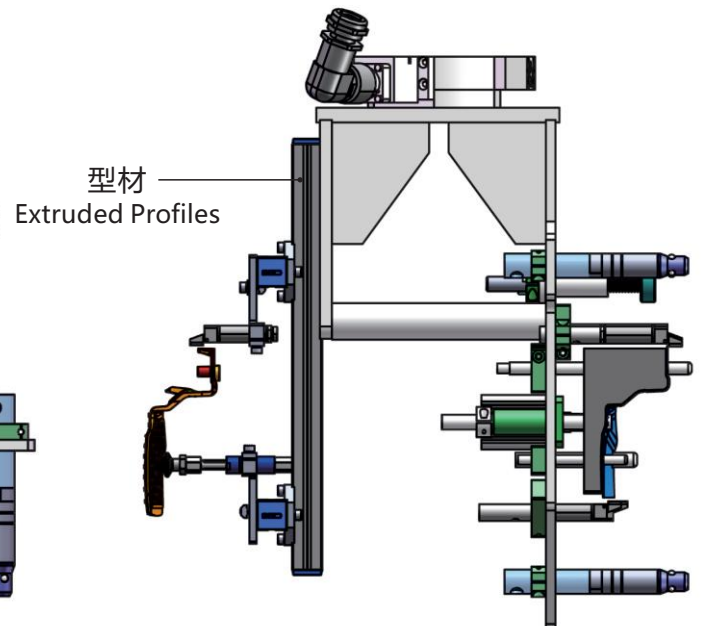
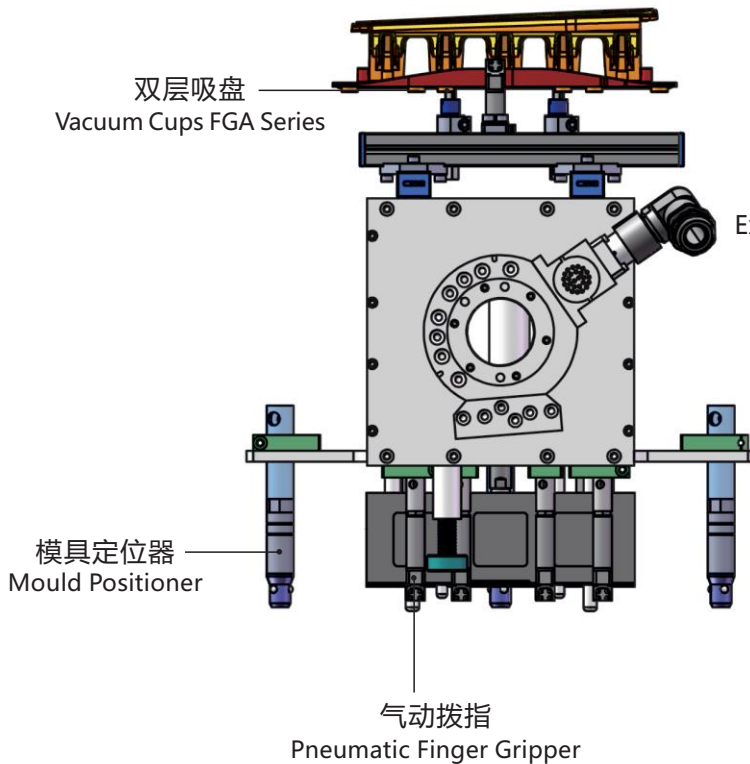
埋入侧：采用仿形，拨指取嵌件，埋嵌件

气路为气缸一路，拨指一路，模具定位器一路

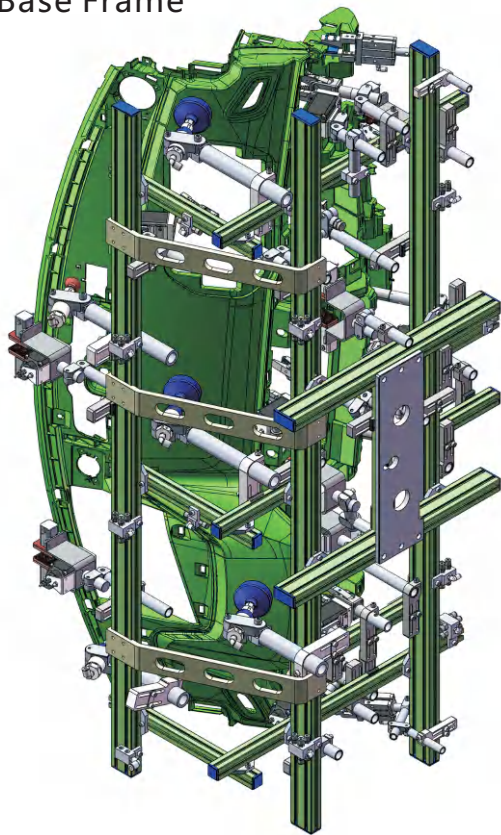
重量：9 kg

Product Description:

One cavity in one mould; Take out on one side; embed on the other side; One side: Taken out by vacuum cup and one finger angular pneumatic gripper; The gas circuit is divided into two paths including vacuum cups and one finger angular pneumatic gripper; The other side: Profile modeling; Take out or embed by one finger angular pneumatic gripper; The gas circuit is divided into three paths including path of cylinder, path of one finger angular pneumatic gripper and path of mould positioner; Weight: 9Kg.



基础框架 Base Frame



产品描述：

治具名称：仪表盘取出治具

机台吨位：2700T

治具重量：25KG

料头数量：11个

本产品因成型周期短，需模内完成取出+剪切动作，剪切精度要求0.3mm以内，夹具采用无痕吸盘，夹持接触部位采用软胶垫，并使用角度可调多功能弯臂完成夹取。

Product Description:

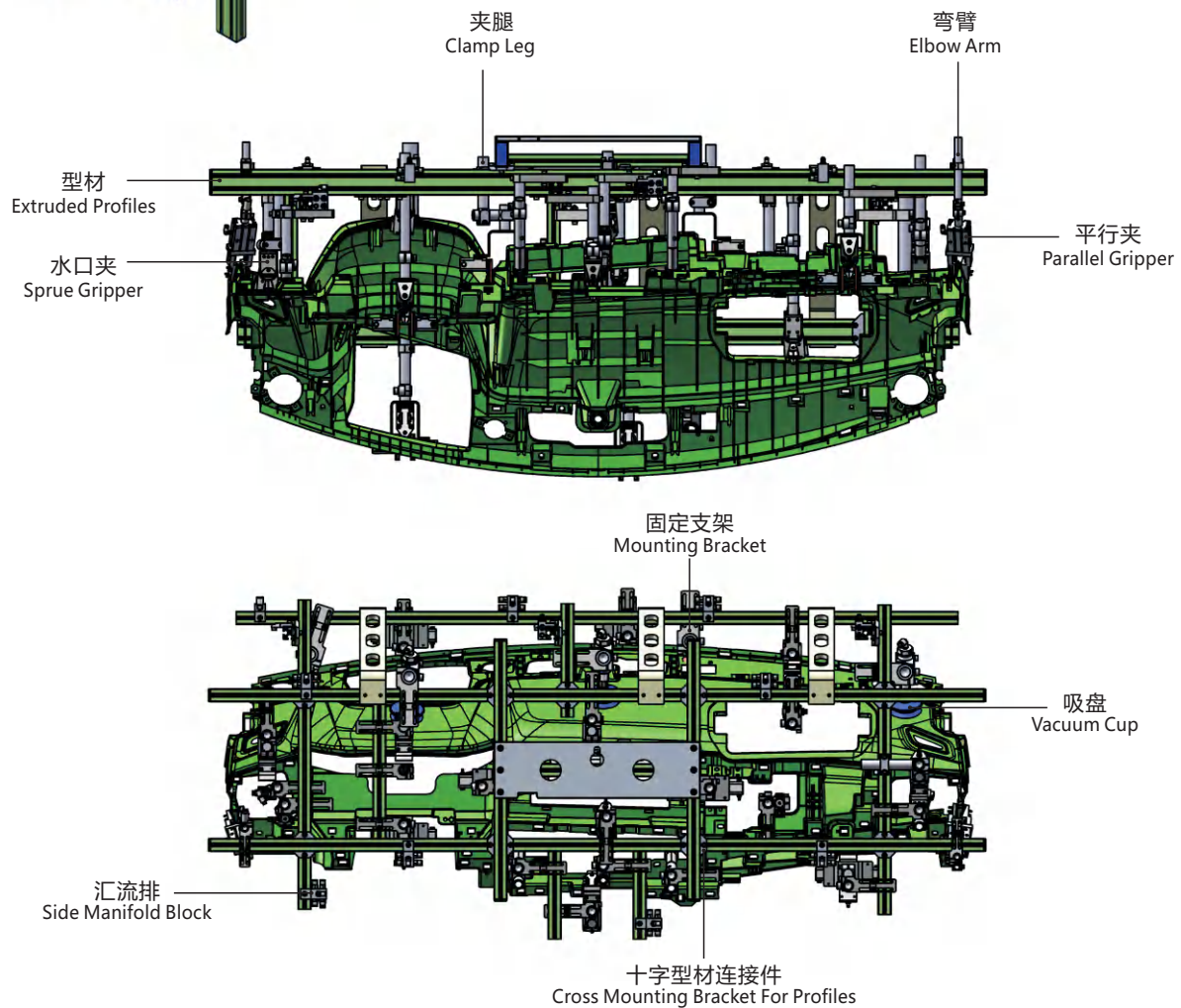
Name of fixture: Fixture of take out for instrument panel.

Machine tonnage: 2700T.

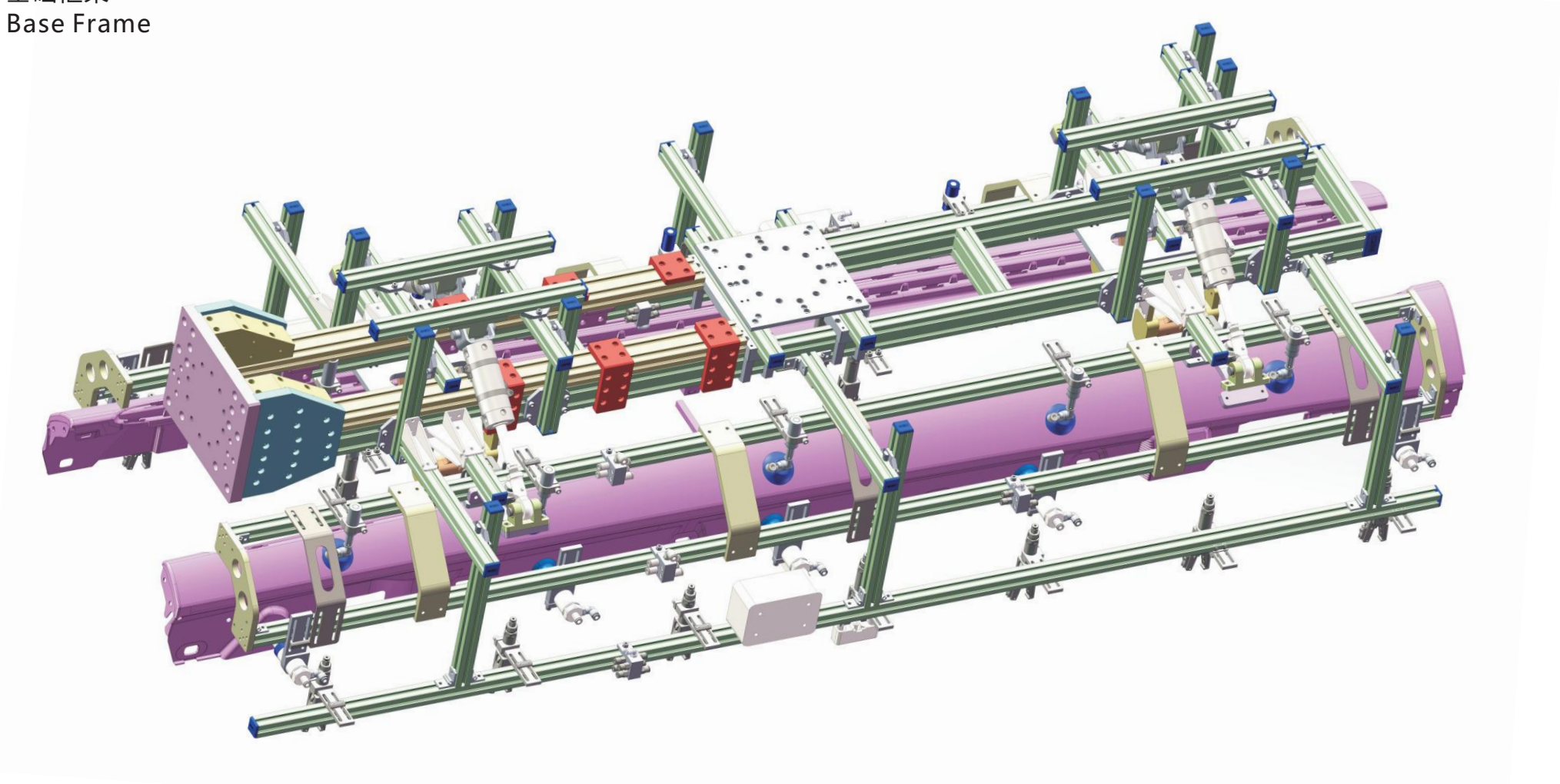
Weight of fixture: 25kg.

Sprue quantity: 11.

Due to the short molding cycle, the product needs to be taken out and cut in the mold, and the shear accuracy is required to be within 0.3mm. The fixture adopts non-marking suction cups, the clamp interface adopts soft rubber pad, and the angle can be adjust by multifunctional to make elbow arm complete the clamping.

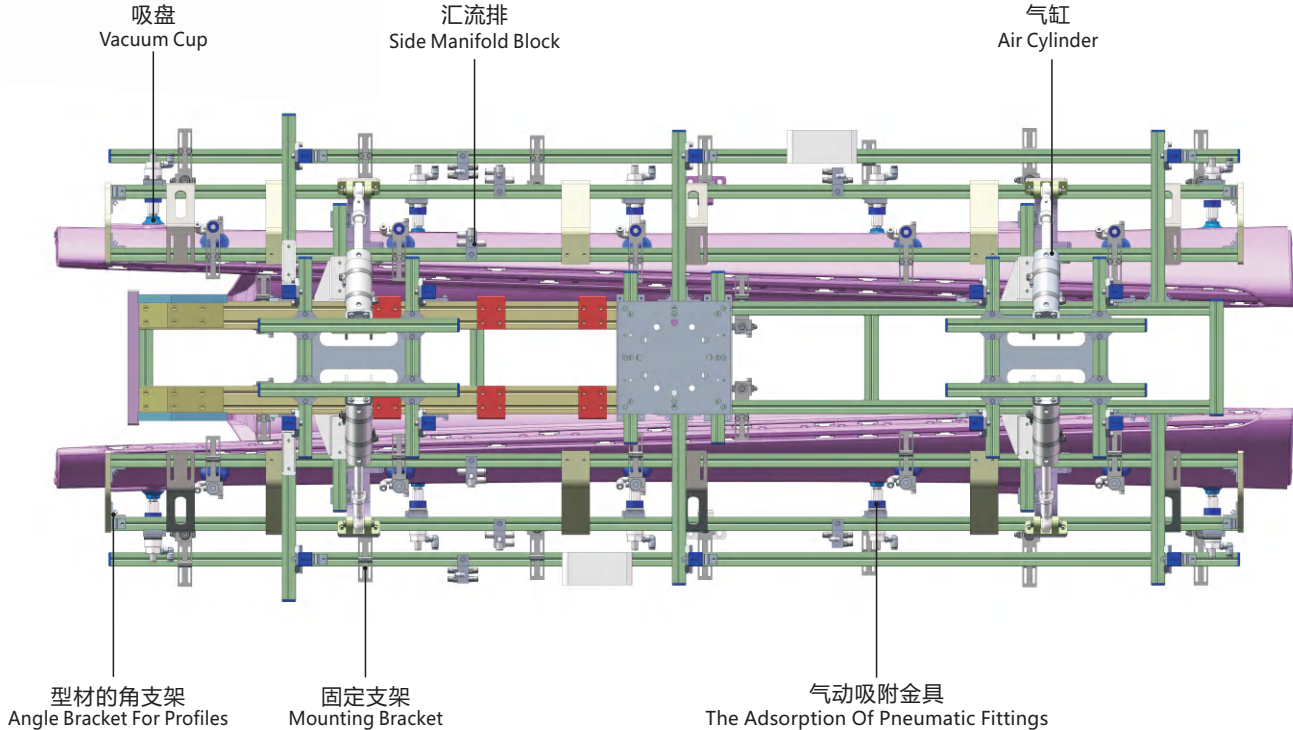
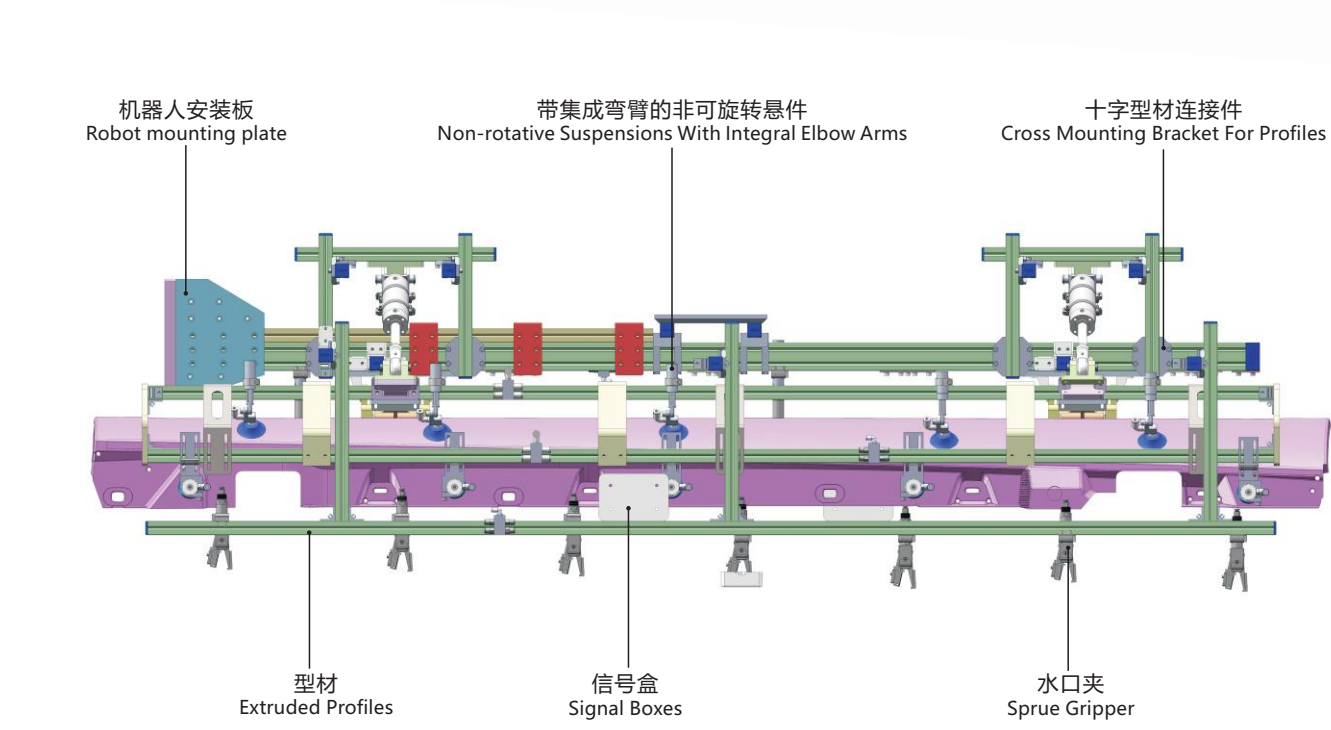


基础框架
Base Frame



产品描述：
治具名称：汽车门槛条取出治具
机台吨位：2700T
治具重量：80KG
料头数量：14个
汽车门槛条分为左右件，产品内有很长倒扣，顶出后无法水平取出，本产品采用无痕吸盘吸附，夹具具备旋转功能，可将产品顺利取出。

Product Description:
Tool Name: Fixture of take out for car threshold strip.
Machine tonnage: 2700T.
Weight of fixture: 80kg.
Sprue quantity: 14.
The car threshold strip is divided into left and right parts. There has long under-cut in the product which can not be taken out horizontally after being ejected. The product is absorbed by non-marking suction cup, and the fixture has the function of rotation, so the product can be taken out smoothly.



基础框架 Base Frame

产品描述：

治具名称：保险杠取出治具

机台吨位：1800T

治具重量：20KG

料头数量：8个

产品无法顺利脱模，需配备气缸侧拉辅助，产品接触面采用无痕吸盘，夹持接触部位采用软胶垫，并使用角度可调多功能弯臂完成夹取。

Product Description:

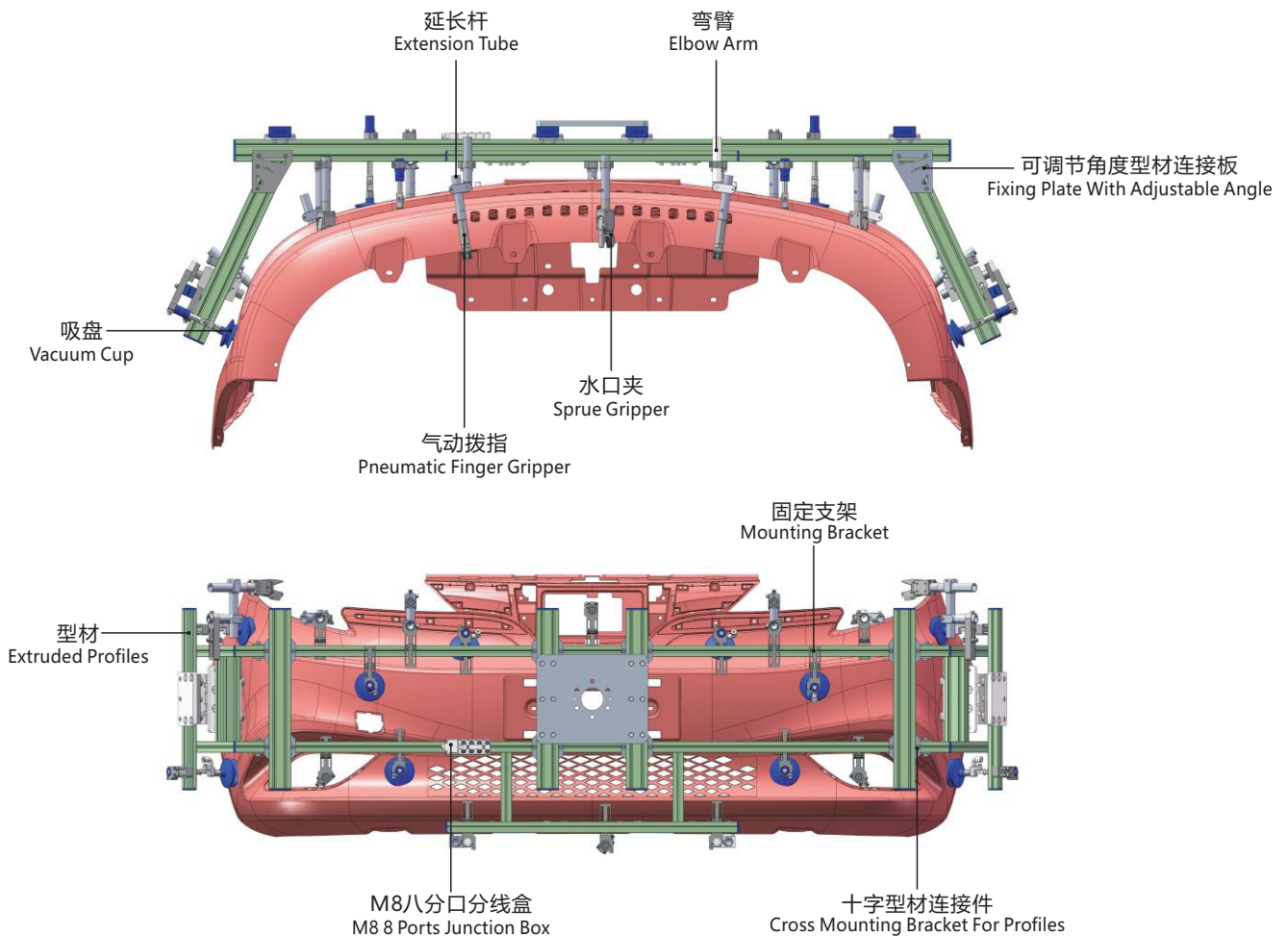
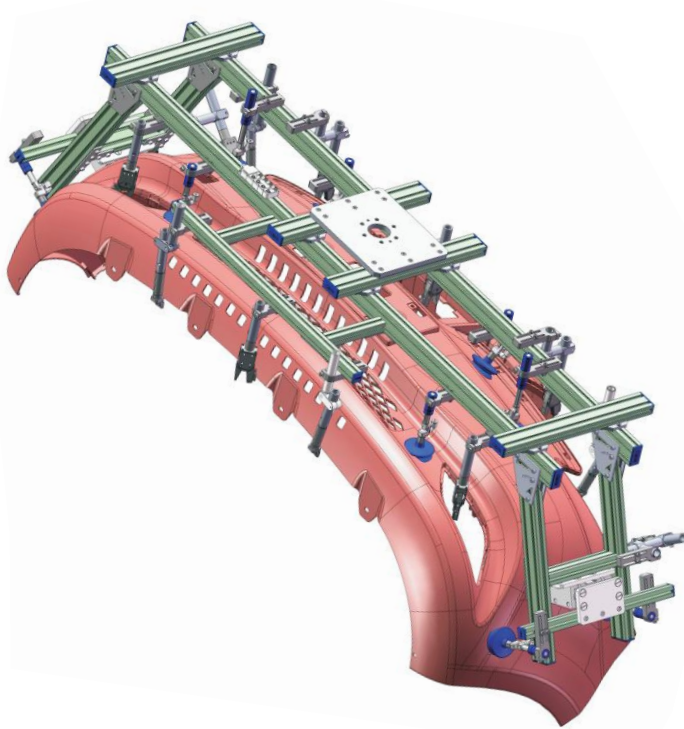
Fixture Name: Fixture of take out for bumper.

Machine tonnage: 1800T.

Weight of fixture: 20kg.

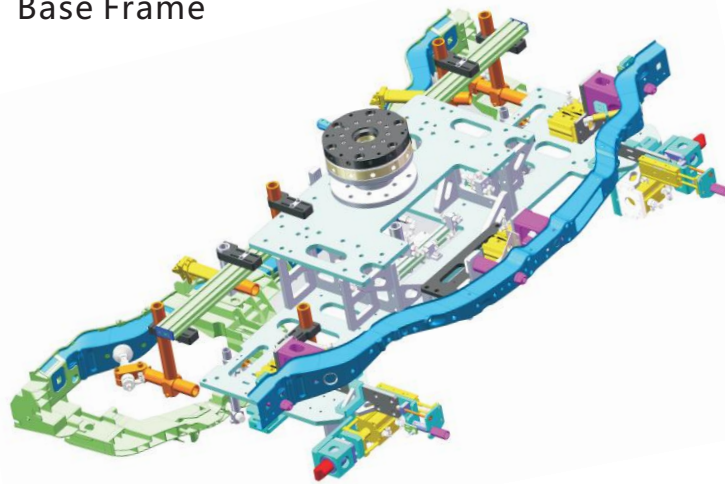
Sprue quantity: 8.

It needs to be equipped with cylinder to pulling from side because the product can't be demoulding smoothly. The contact surface of the product adopts non-marking suction cup, the clamp interface adopts soft rubber pad, and the angle can be adjust by multifunctional to make elbow arm complete the clamping.



运用实例 Application

基础框架 Base Frame



产品描述:

治具名称: 汽车板筋埋入取出治具;

产品一模一穴;

治具一侧取件一侧埋件

气路为: 五夹两吸

治具重约55kg

Product Description:

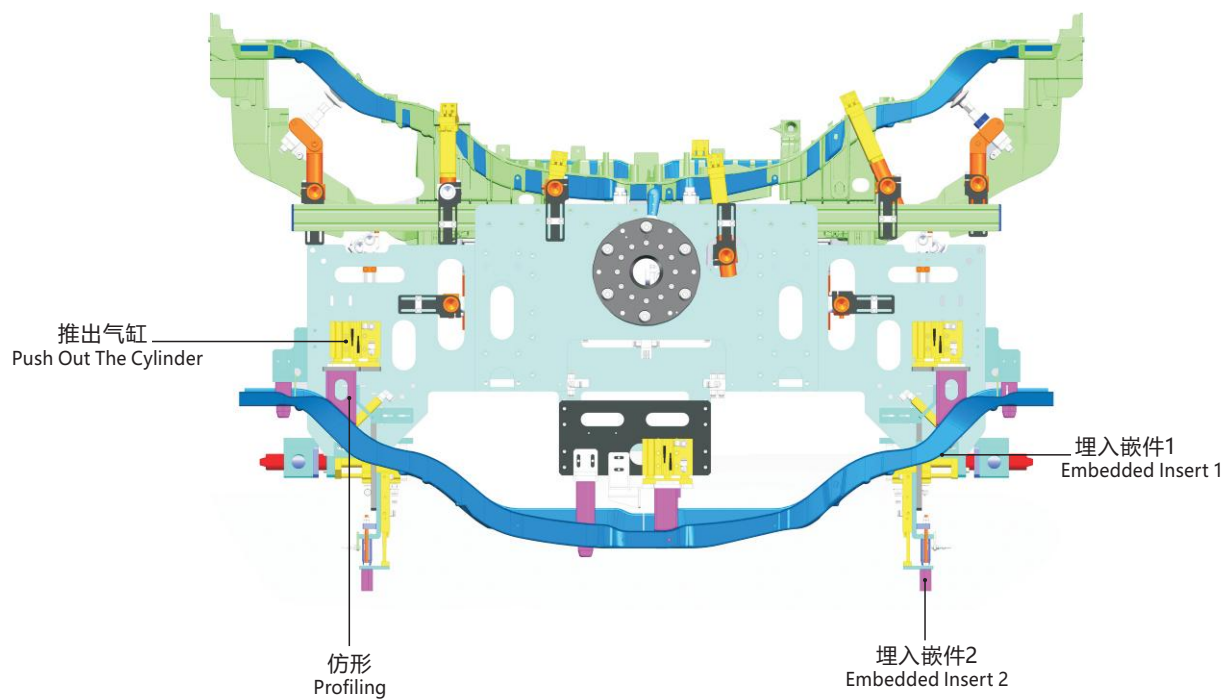
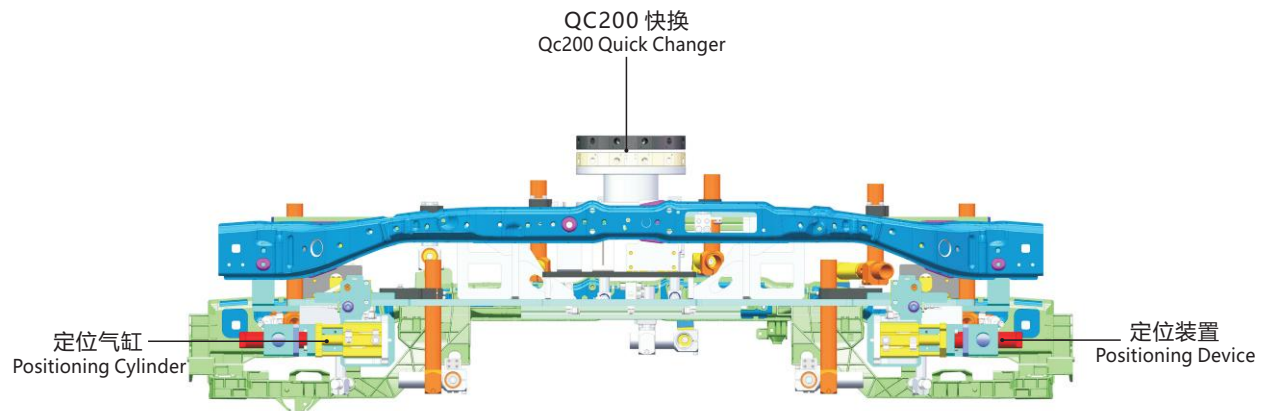
Name of fixture: Fixture of embed and take out for automobile slat bars;

One cavity in one mould;

One side of the fixture is taken out and the other side is embedded.

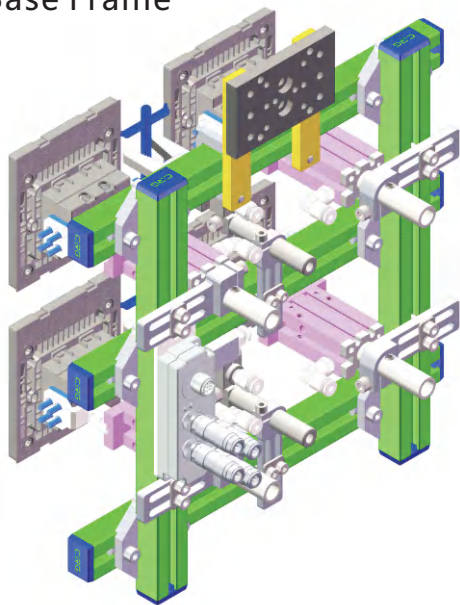
Gas circuit: five suction and two gripping.

The weight is about 55kg.



运用实例 Application

基础框架 Base Frame



产品描述：

治具名称：开关面板取出治具；

产品一模四穴；

料头用水口夹夹取

气路为：二夹

治具重约6kg

Product Description:

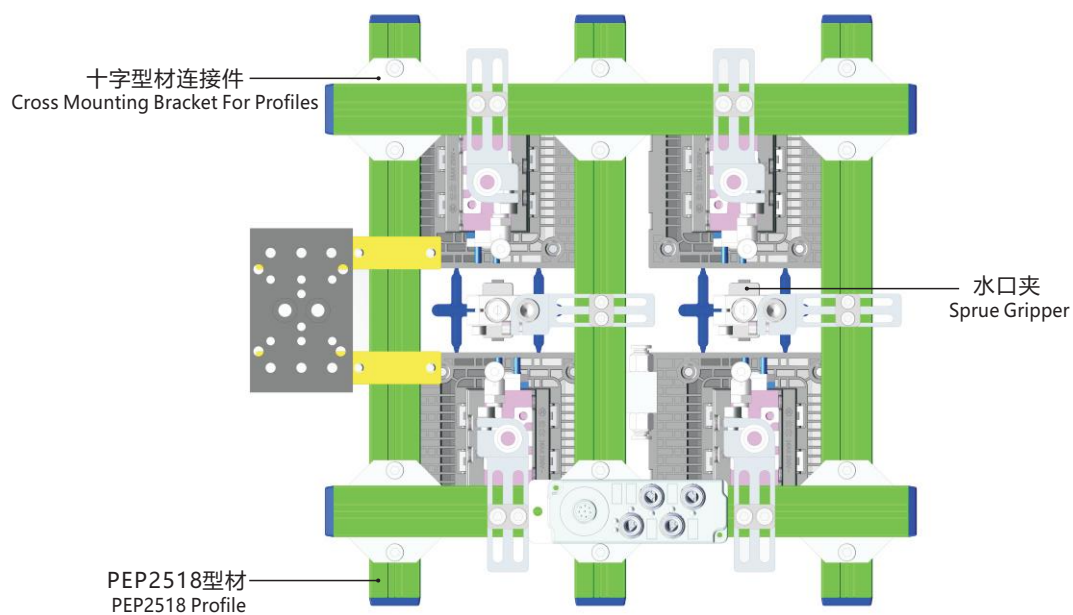
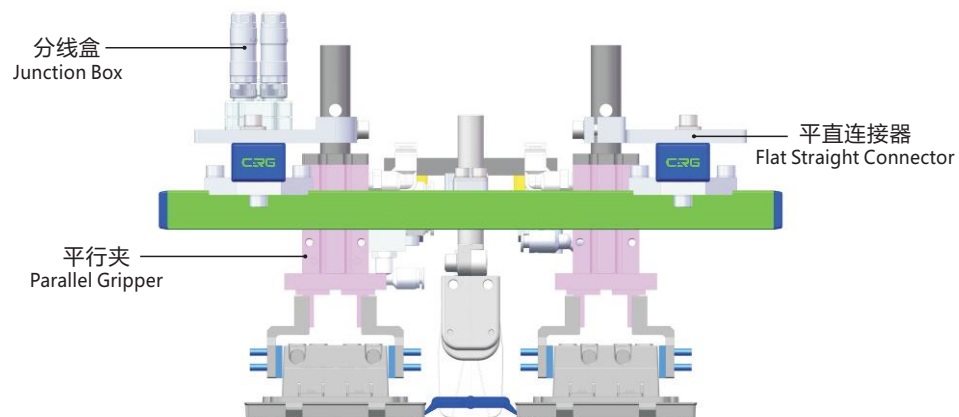
Name of fixture: Fixture of take out for Switch panel ;

Four cavities in one mould;

Take sprue gate out with sprue gripper.

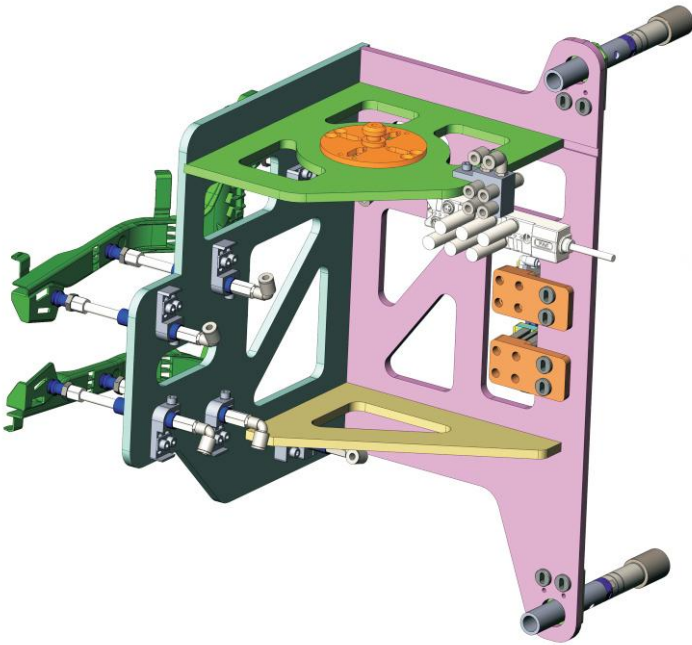
Gas circuit: two gripping.

The weight is about 6kg.



运用实例 Application

基础框架 Base Frame



产品描述:

治具名称: 铜螺母埋入取出治具;

产品一模二穴;

嵌件采用气缸推出, 埋入;

气路: 二吸二夹

治具重量: 10kg

Product Description:

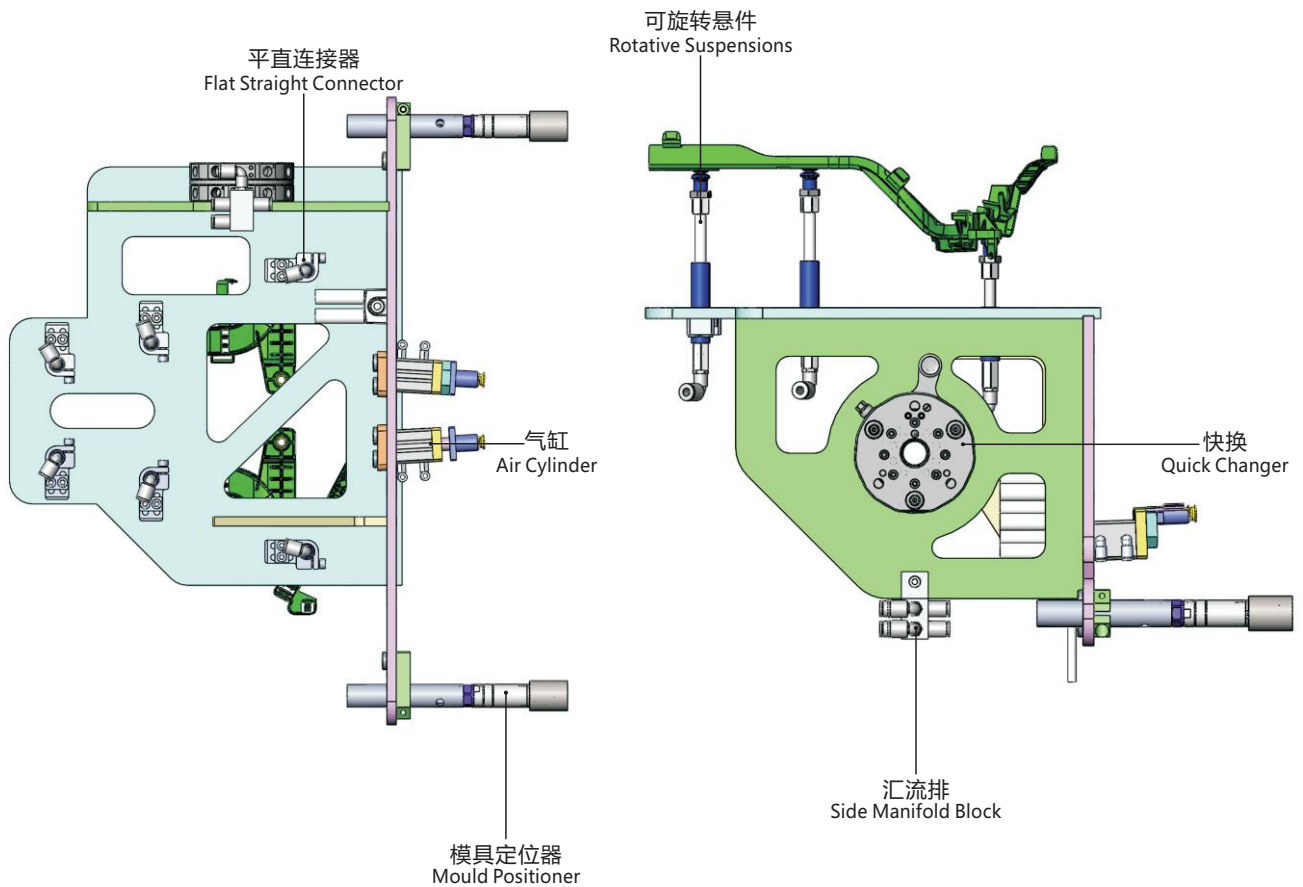
Name of fixture: Fixture of embed and take out for copper nut;

Two cavities in one mould;

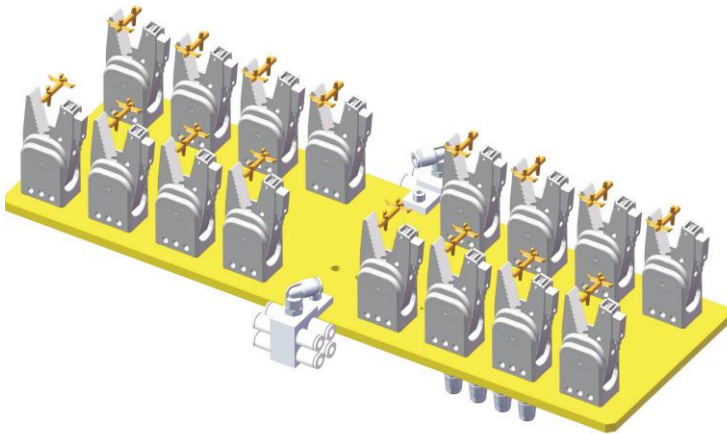
The insert is pushed out by cylinder and embedded;

Gas circuit: two suction and two gripping.

Weight of fixture: 10kg.



基础框架 Base Frame



产品描述:

治具名称: 扎带料头取出治具;

产品一模十六穴;

料头采用水口夹取出

气路为: 二夹

治具重约3.2kg

Product Description:

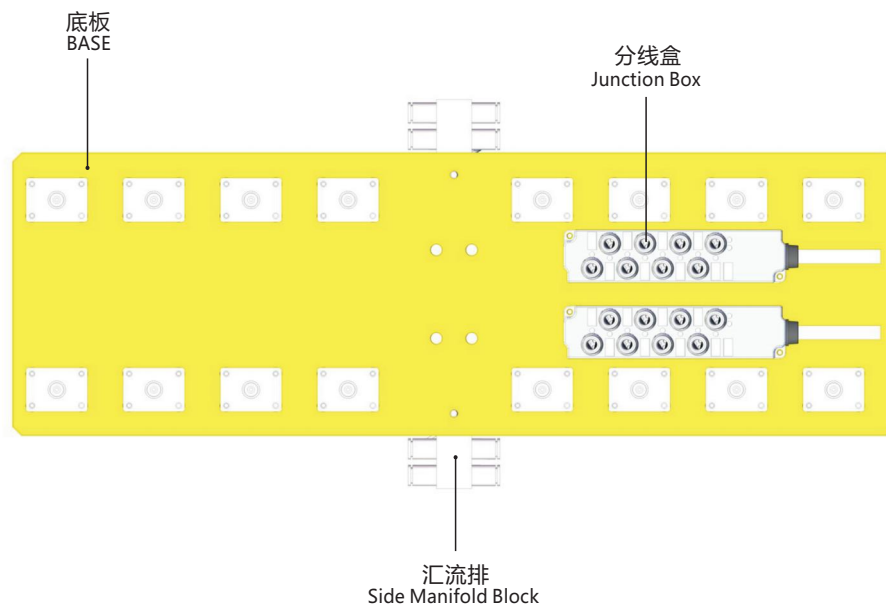
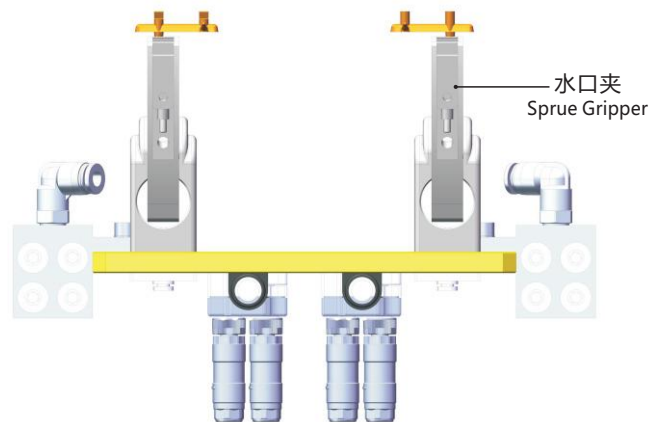
Name of fixture: Fixture of take out for sprue gate and cable tie ;

16 cavities in one mould;

Take sprue gate out with sprue gripper.

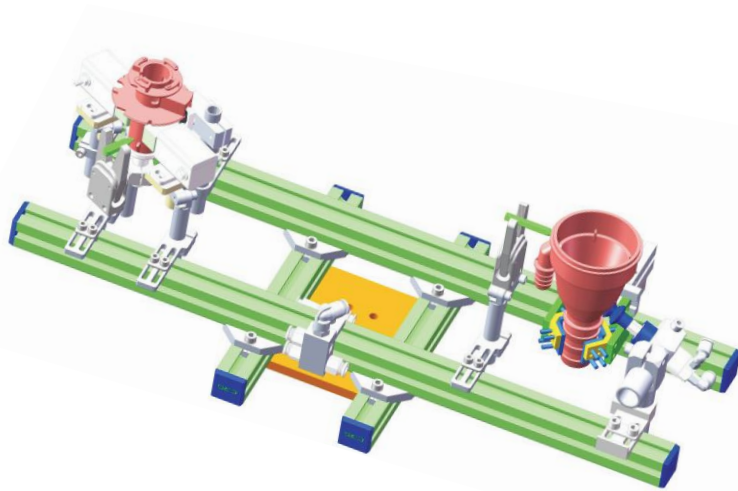
Gas circuit: two gripping.

The weight is about 3.2kg.



运用实例 Application

基础框架 Base Frame



产品描述:

治具名称: 汽车配件取出治具;

产品一模两穴

产品采用平行夹和抱具气缸取出, 料头采用水口夹取出

气路为三夹一吸

治具重约3.5kg

Product Description:

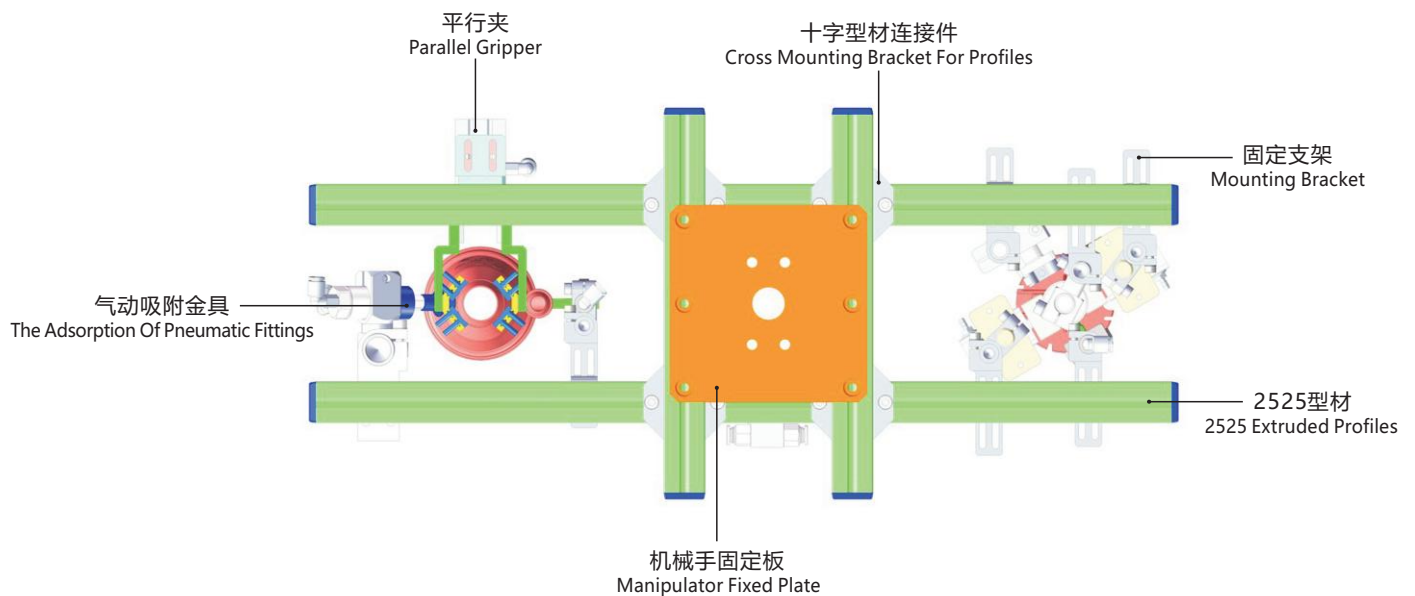
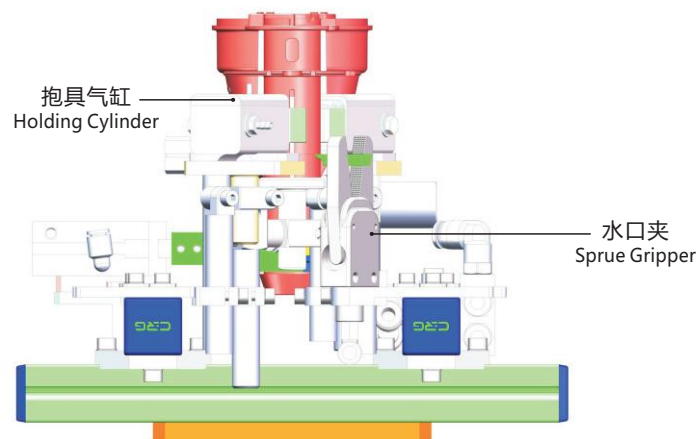
Name of fixture: Fixture of take out for auto parts ;

Two cavities in one mould;

The product is taken out by parallel clamp and holding cylinder, and take sprue gate out with sprue gripper.

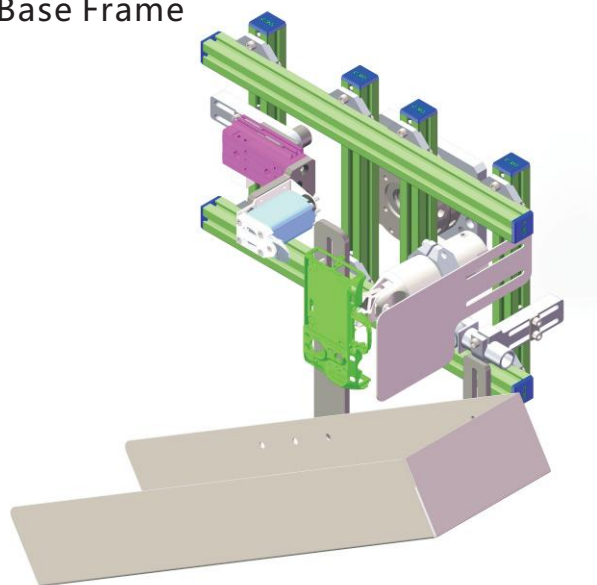
Gas circuit: one suction and three gripping.

The weight is about 3.5kg.



运用实例 Application

基础框架 Base Frame



产品描述：

治具名称：数码相机壳体取出剪切治具；

产品一模十六穴；

料头需剪切

气路为：四夹

治具重约6kg

Product Description:

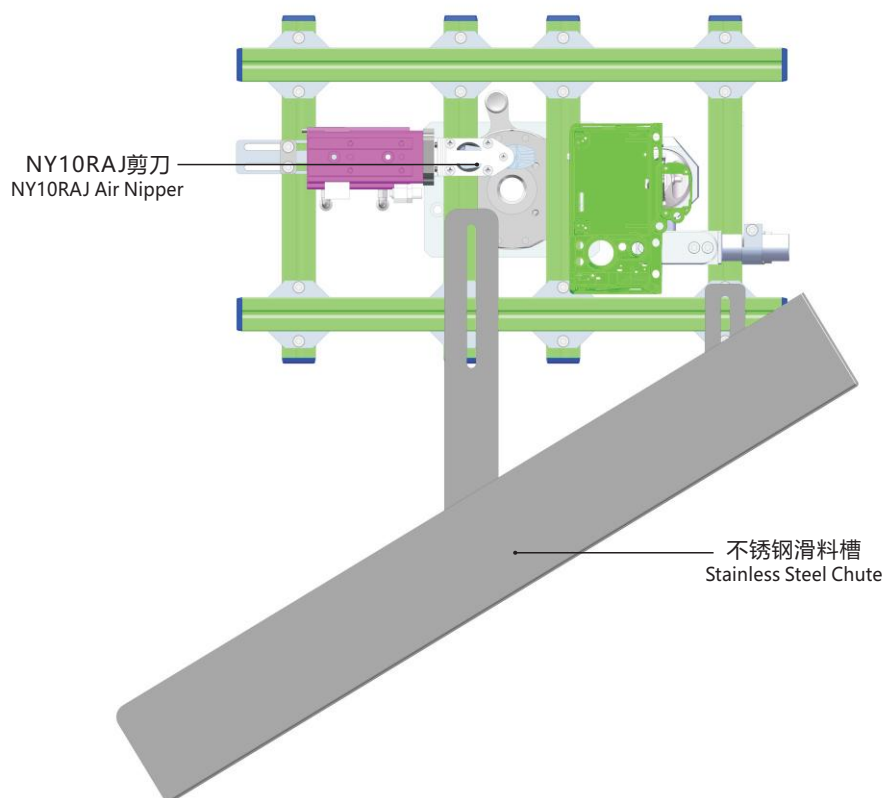
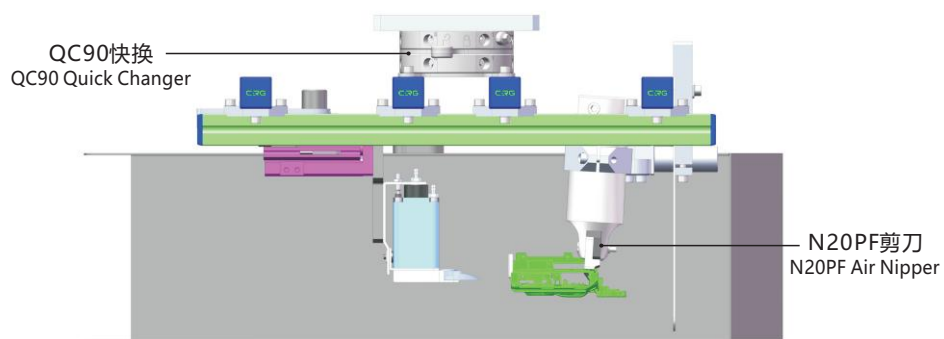
Name of fixture: Fixture of cut and take out for Digital camera shell ;

16 cavities in one mould;

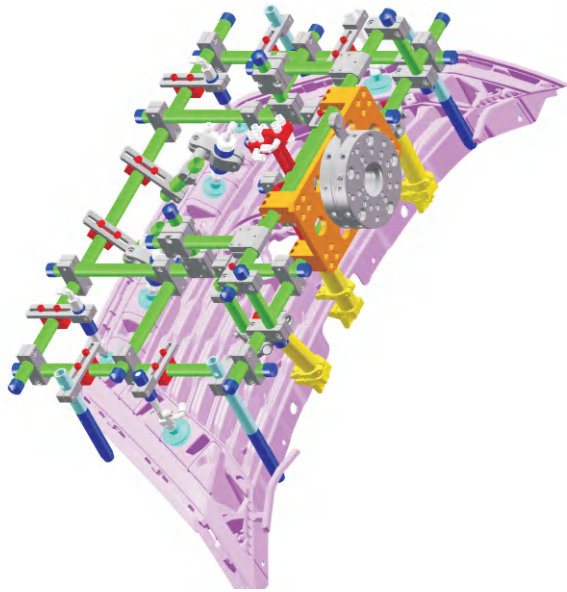
The sprue gate needs to be sheared.

Gas circuit: four gripping.

The weight is about 6kg.



基础框架 Base Frame



产品描述:

治具名称: 汽车格栅取出治具;

产品一模一穴;

治具框架采用20钢管, 产品采用吸盘加拨指辅助取出;

气路为: 一吸一夹;

治具重约15kg;

Product Description:

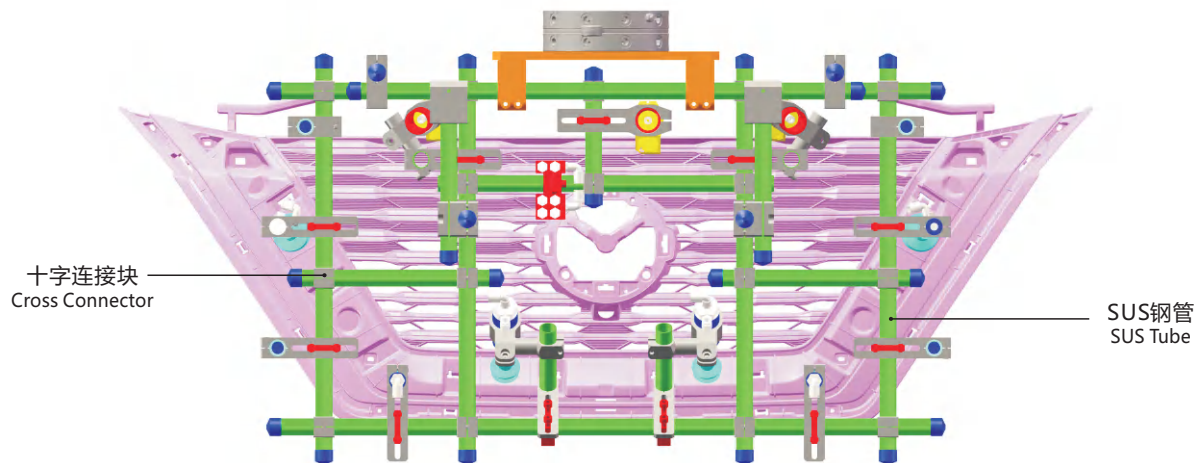
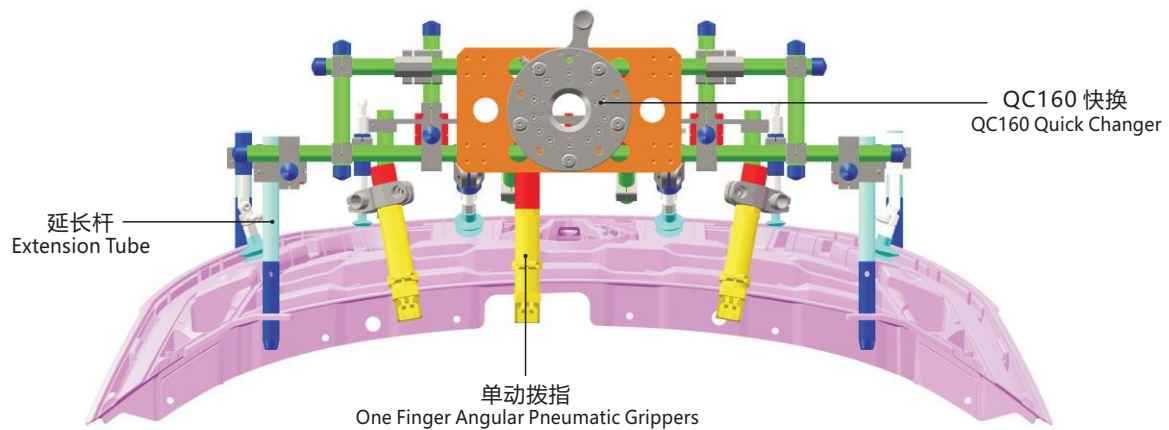
Name of fixture: Fixture of take out for Car grille;

One cavity in one mould;

The fixture frame is made of the steel pipe 20, and the product is taken out by vacuum cups and pneumatic finger gripper;

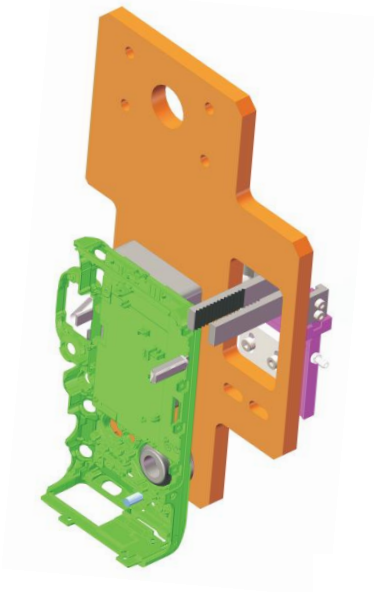
Gas circuit: one suction and two gripping.

The weight is about 15kg.



运用实例 Application

基础框架 Base Frame



产品描述:

治具名称: 数码相机壳体取出治具;

产品一模一穴;

料头采用水口夹加非标夹片取出

气路为: 一夹一吸

治具重约:3kg

Product Description:

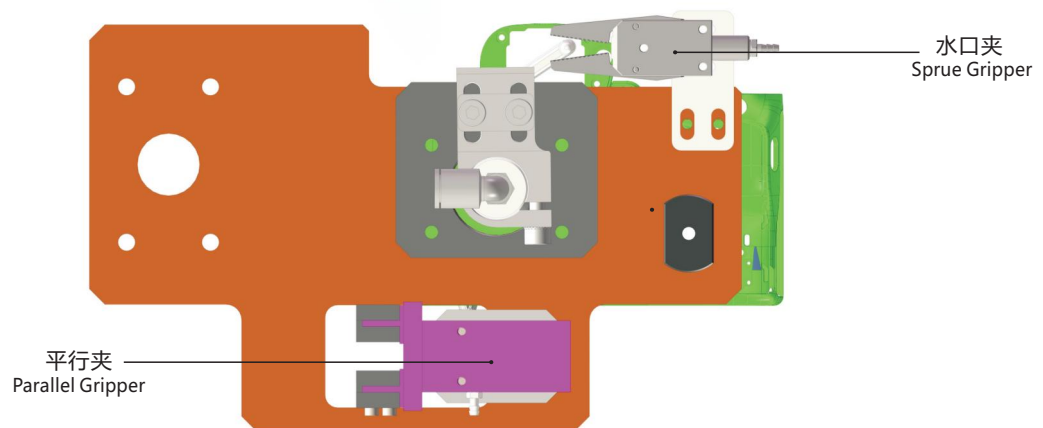
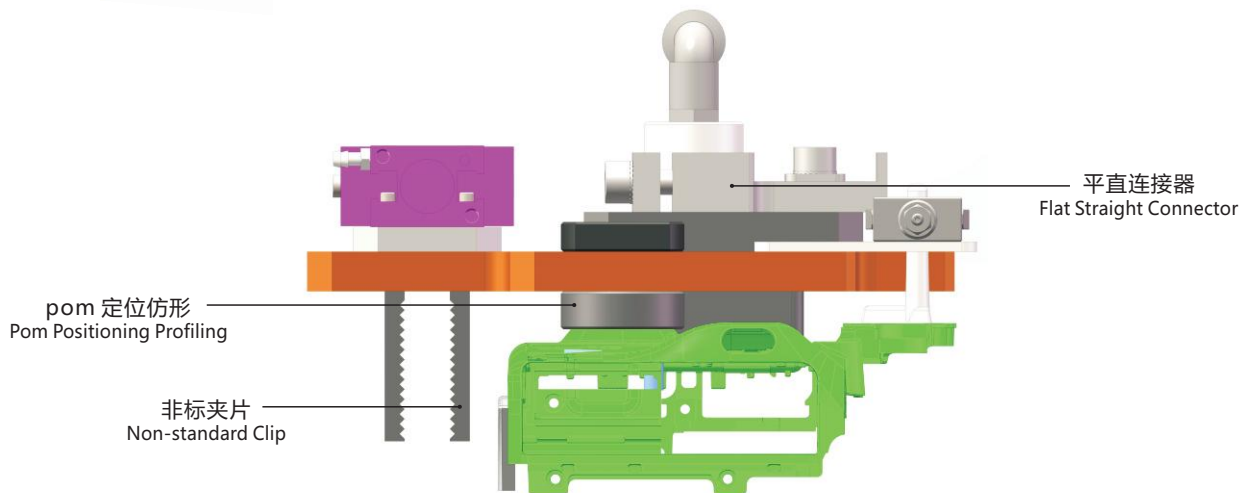
Name of fixture: Fixture of take out for Digital camera shell ;

One cavity in one mould;

Take sprue gate out with sprue gripper and non-standard clip.

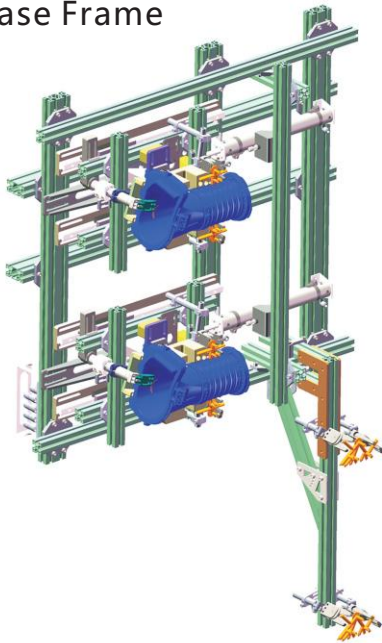
Gas circuit: one suction and one gripping.

The weight is about 3kg.



运用实例 Application

基础框架 Base Frame



产品描述:

治具名称: 汽车配件滑移取出治具;

产品一模二穴;

产品采用拨指+吸盘取出;

料头采用水口夹取出;

气路: 一吸三夹

治具重量: 23kg

Product Description:

Name of fixture: Fixture of slide and take out for auto parts ;

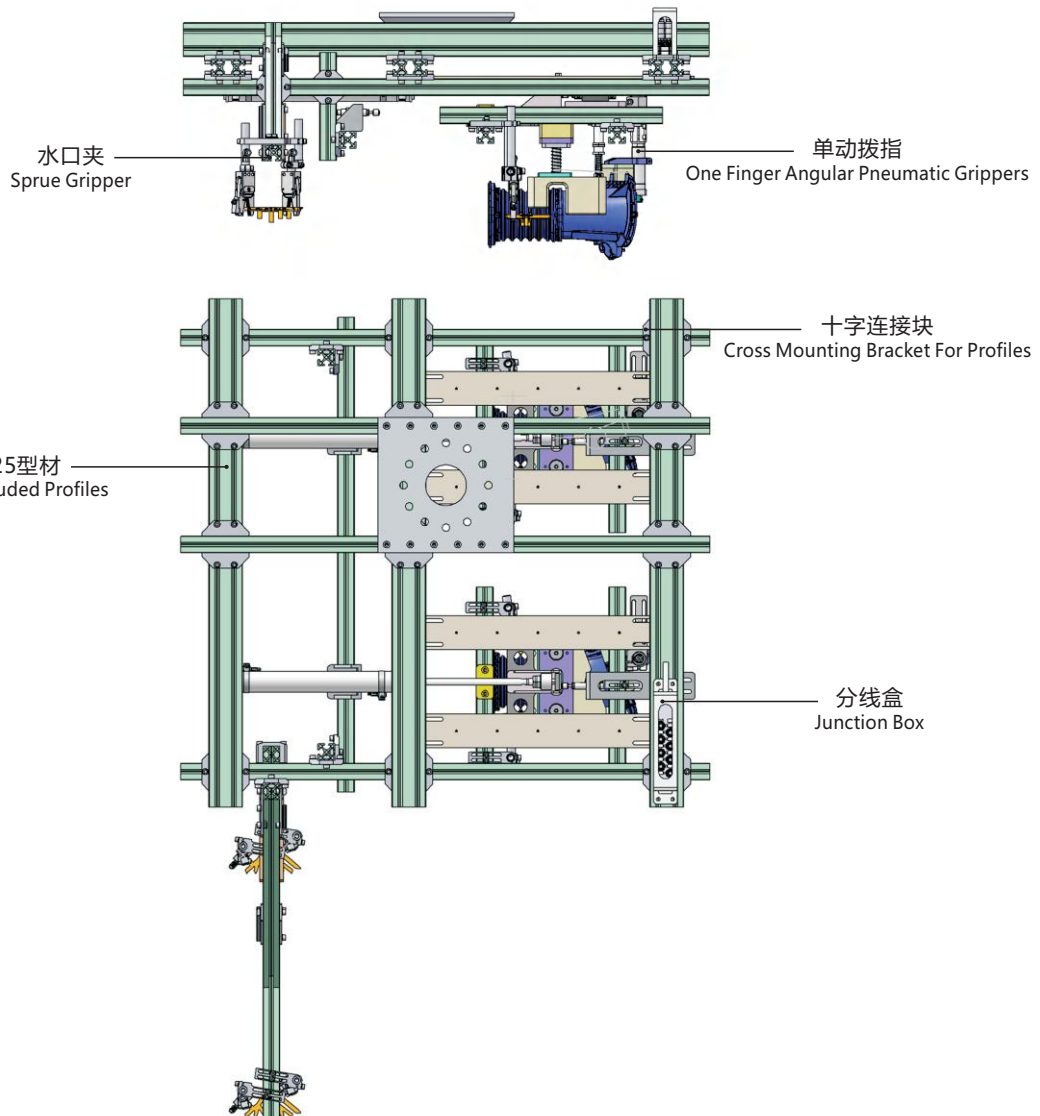
Two cavities in one mould;

Take product out with finger gripper and vacuum cup;

Take sprue gate out with sprue gripper;

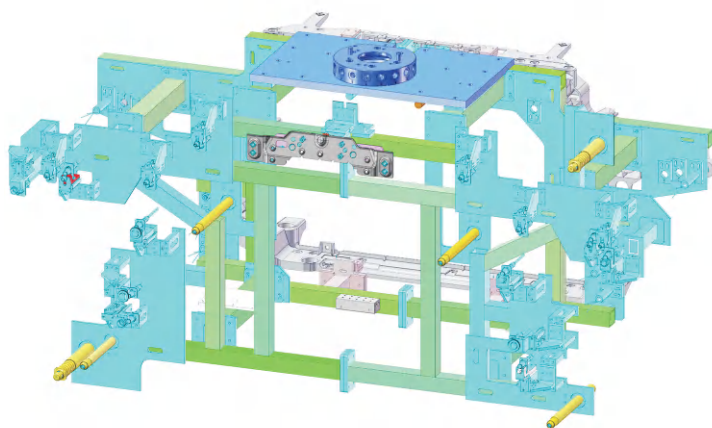
Gas circuit: one suction and three gripping.

Weight of fixture: 23kg.



运用实例 Application

基础框架 Base Frame



产品描述:

治具名称: 螺母、钣金取出埋入治具

产品一模一穴

气路为: 六夹二吸治具

治具重约: 55kg

Product Description:

Name of fixture: Fixture of embed and take out for nut, sheet metal.

Two cavities in one mould;

Gas circuit: Fixture of two suction and six gripping.

The weight is about 55kg.

模具定位器
Mould Positioner

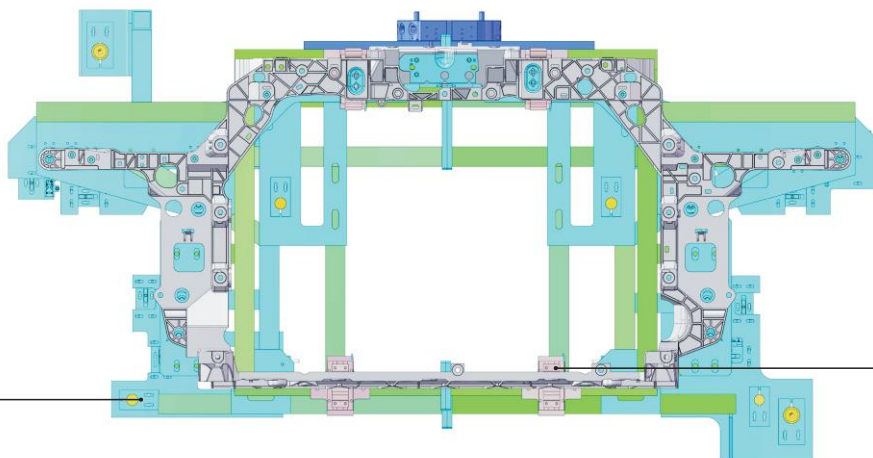
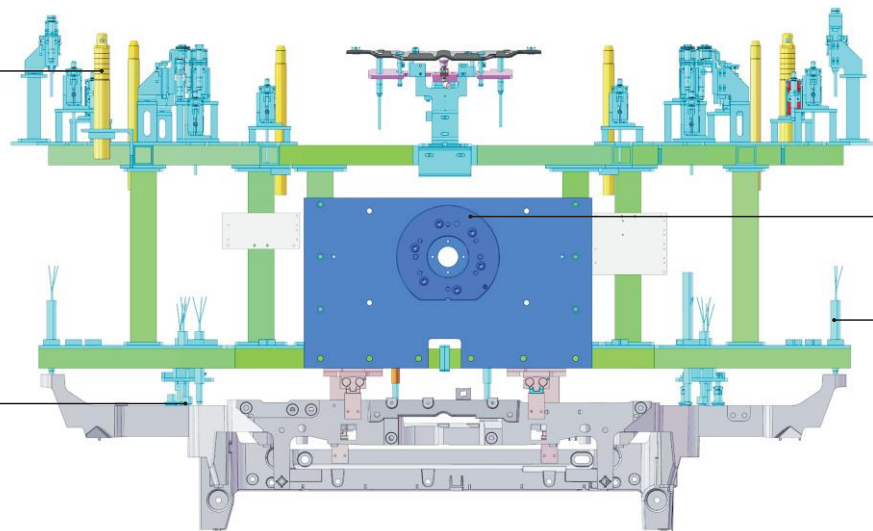
吸盘
Vacuum Cup

快换
Quick Changer

传感器
Sensor

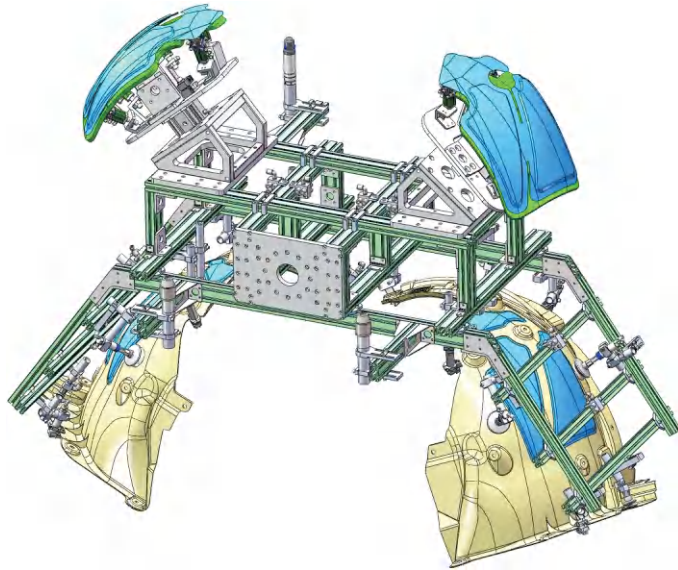
固定支架
Mounting Bracket

夹爪气缸
Gripper Cylinder



运用实例 Application

基础框架 Base Frame



产品描述:

治具名称: 汽车毛毡轮毂罩取出埋入治具

产品一模两穴;

取出气路: 两吸四夹

埋入气路: 十二夹

治具重约: 75KG

此治具可完成在模内取件并通过针夹加退出

气缸及型腔仿形埋入两张毛毡,

取代人工复杂埋入, 提高效率 and 精度.

Product Description:

Name of fixture: Take out and embedding fixture of automobile felt hub cover

One mold two cavities;

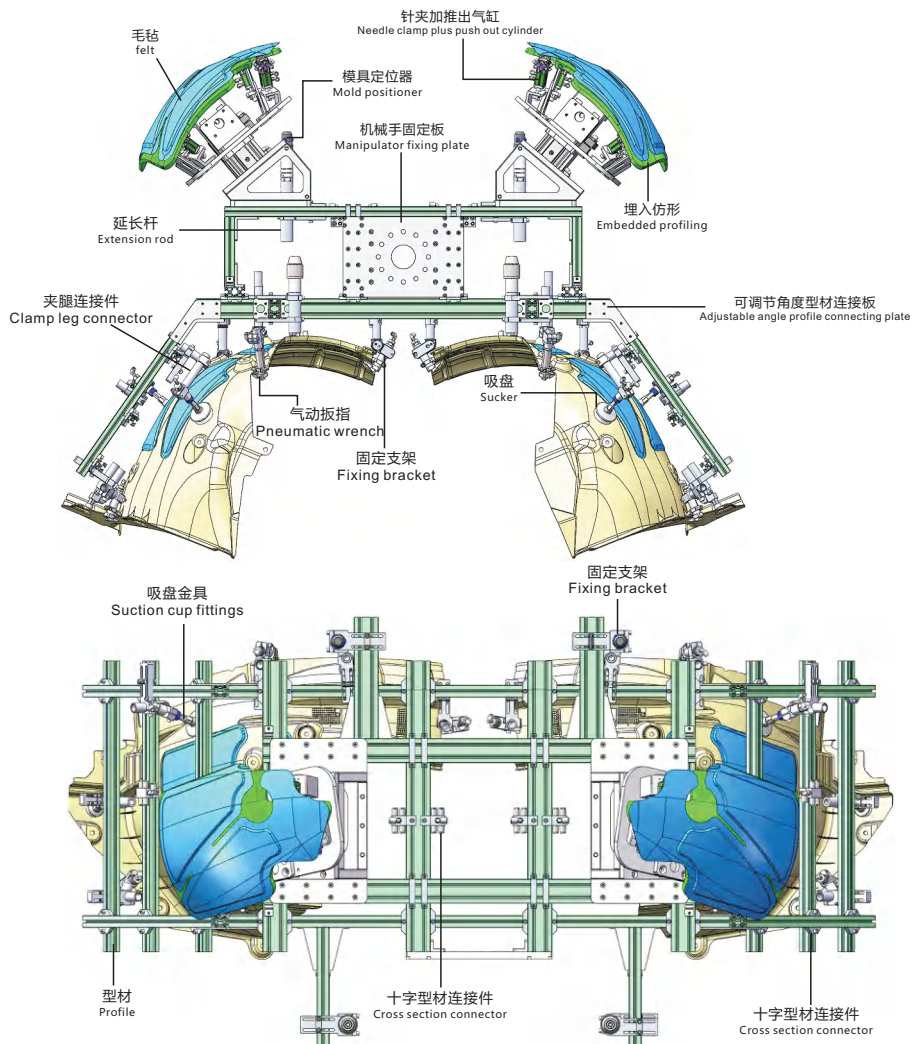
Take out the air circuit: Two suction four clamps

Fixture weight: 75KG

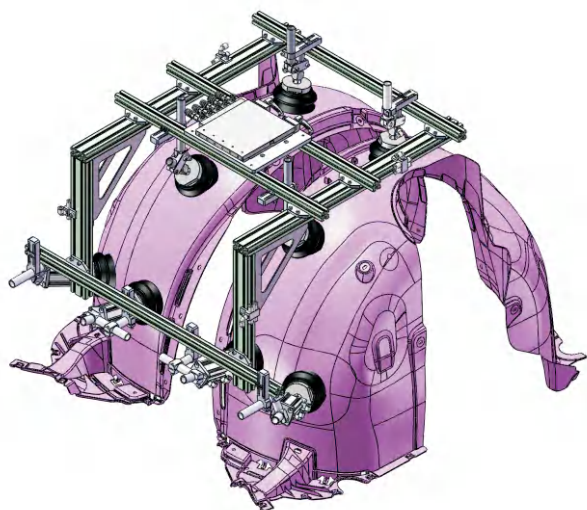
This fixture can take parts in the mold and push them out through the needle clamp

Two pieces of felt are embedded in the cylinder and cavity

Replace manual complex embedding high efficiency and accuracy



基础框架 Base Frame



产品描述:

治具名称: 汽车轮毂罩取出治具;

产品一模二穴;

产品采用吸盘取出;

气路: 二吸二夹

治具重量: 18kg

Product Description:

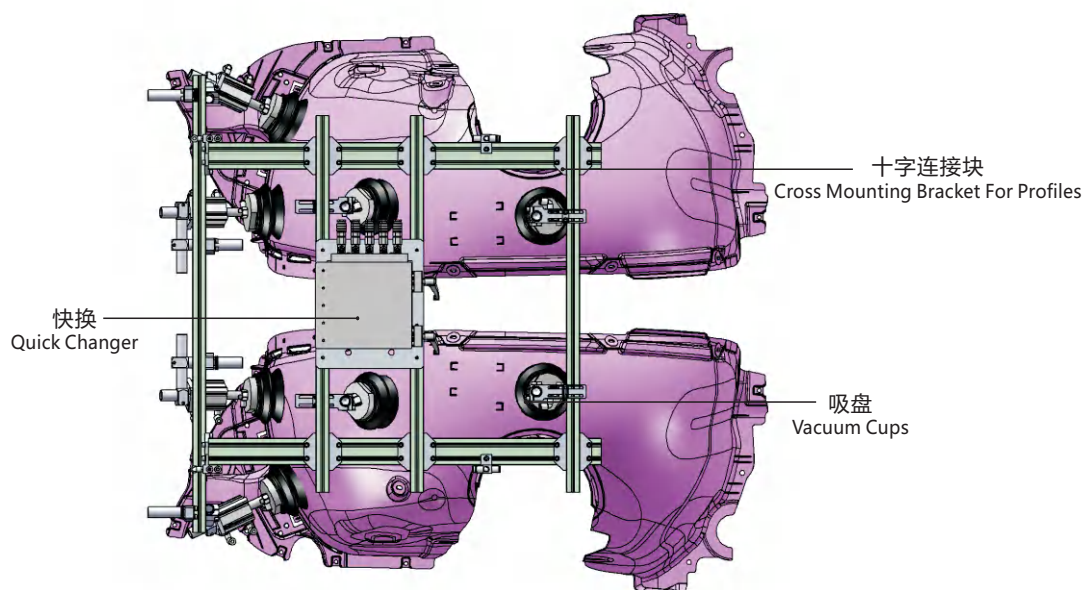
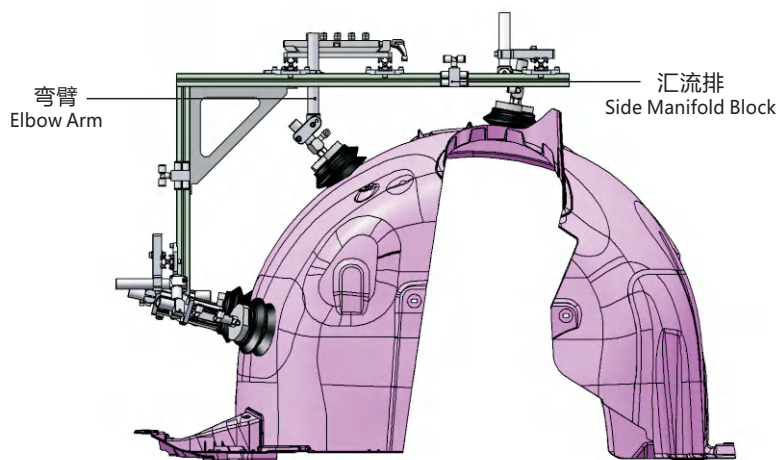
Name of fixture: Fixture of take out for Automobile wheel hub cover ;

Two cavities in one mould;

Take product out with vacuum cup;

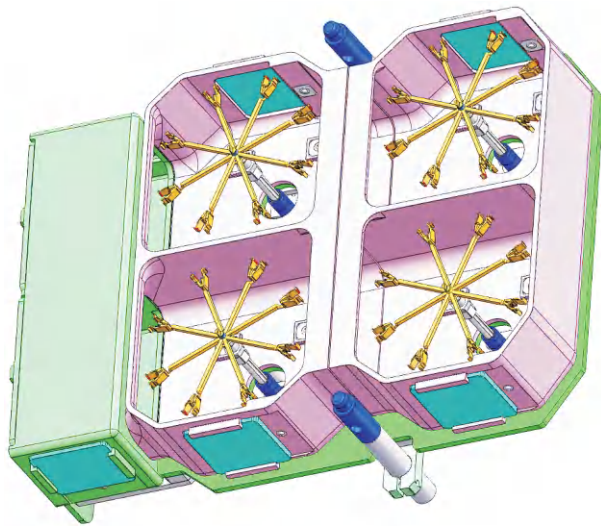
Gas circuit: two suction and two gripping.

Weight of fixture: 18kg.



运用实例 Application

基础框架 Base Frame



产品描述:

治具名称: 多腔迷你型产品取出治具

产品一模三十二穴

料头采用吸盘取出

气路为:一吸两夹

治具重量: 12KG

此治具为批量产品易收集及减少脱落外观不良, 设置收纳盒, 模具顶出产品自动掉落到收集盒, 再整体放置出货平台, 实现快速取件和包装。

Product Description:

Fixture name: Multi-cavity mini product removal fixture

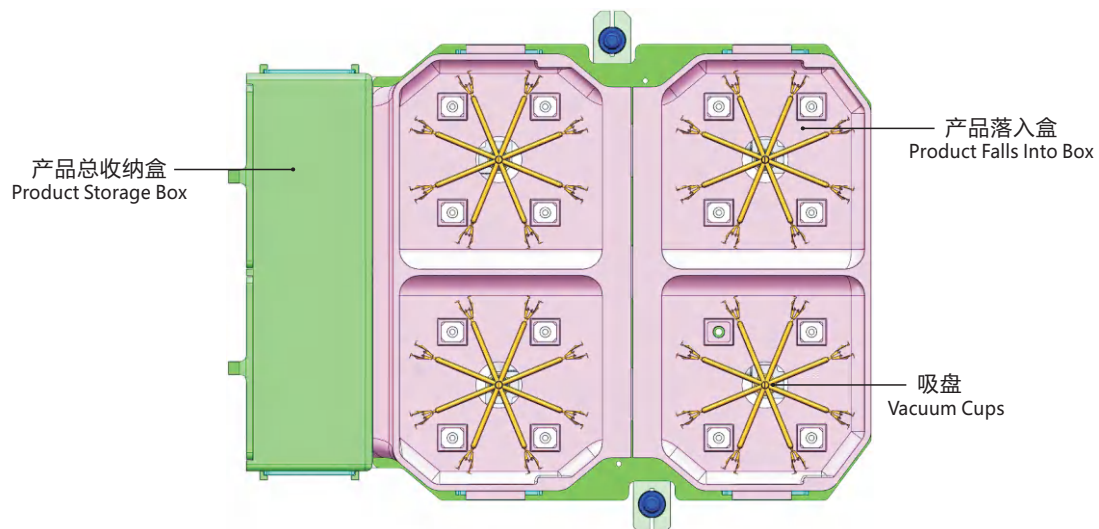
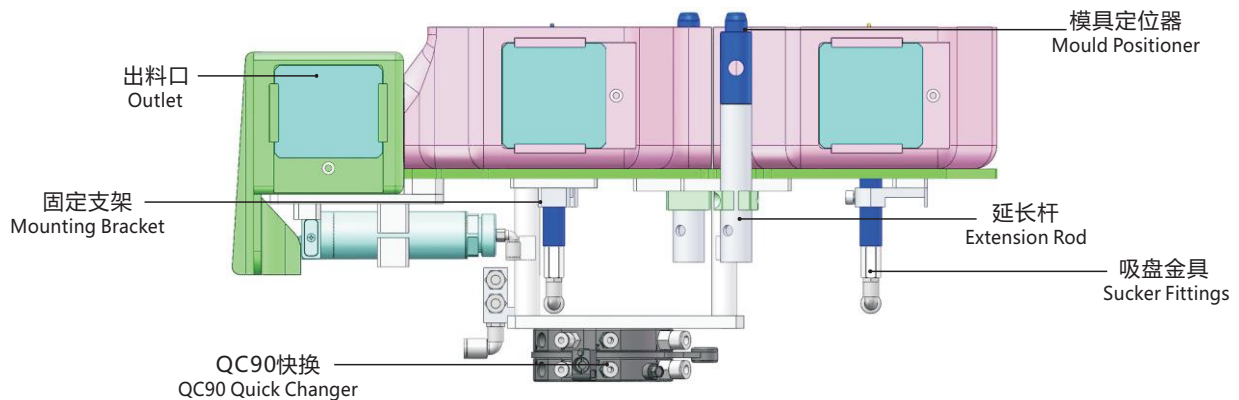
The product has 32 holes in one mold.

The material head is taken out with a suction cup.

The air path is: one suction and two clamps.

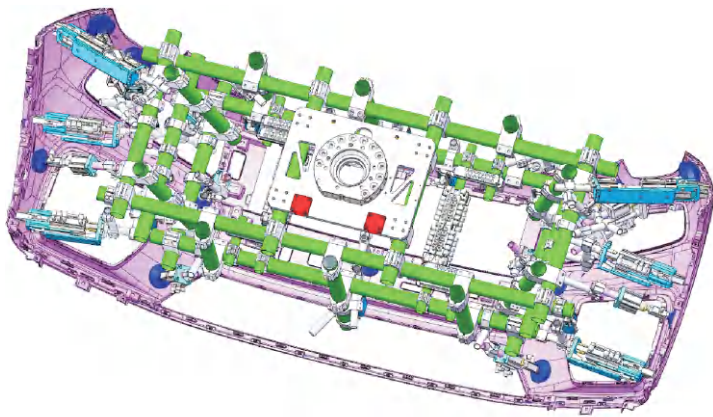
Fixture weight: 12KG.

This fixture is easy to collect bulk products and reduce the appearance of falling off. It is equipped with a storage box, and the mold ejected products are automatically dropped into the collection box, and then placed on the shipping platform as a whole to achieve quick pick-up and packaging.



运用实例 Application

基础框架 Base Frame



产品描述:

治具名称: 保险杠定模取出治具

机台吨位: 3300T

治具重量: 65KG

简化模具结构, 节约成本, 产品定模取件, 配备连动大力夹牵引和吸盘辅助, 顺利取出产品.

Product Description:

Fixture name: Bumper fixed die removal fixture

Machine tonnage: 3300T

Fixture weight: 65KG

Simplify the mold structure, save costs, and take out the product from the fixed mold. Equipped with the linkage of the strong clamp traction and suction cup assistance, the product can be taken out smoothly.

牵引式大力夹 (夹口可配传感器)
Traction type high strength clamp
(clamp mouth can be equipped with sensor)

QCA-200快换
QCA-200 Quick Changer

碳纤维管
Carbon Fiber Tube

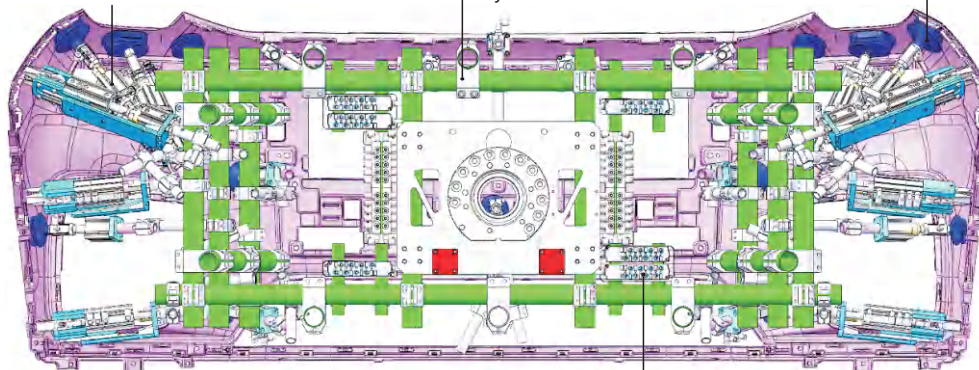
大力夹
Strong Sprue Gripper

夹腿
Leg Clip

十字连接块
Cross Connector

推出气缸
Push Out The Cylinder

吸盘
Vacuum Cups



M8八分口分线盒
M8 8 Ports Junction Box

非标定制产品 Non-standard Customized Products

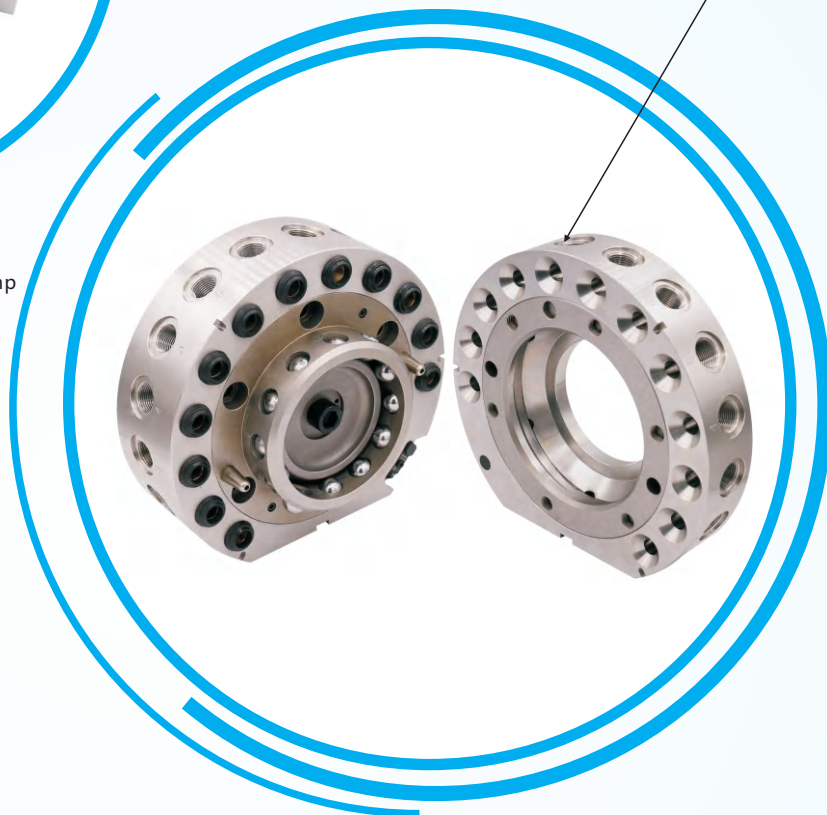


全钢制钳口
All-steel jaws

非标定制水口夹
Non-standard custom nozzle clamp

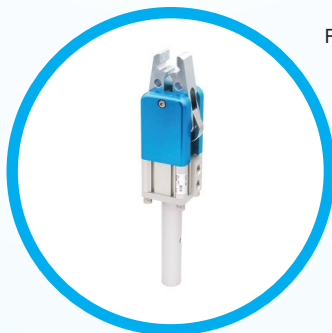


非标定制水口夹
Non-standard custom nozzle clamp



全食品级不锈钢本体
All food grade stainless steel body

食品级快换
Food grade quick changer



非标定制大力夹
Non-standard custom vigorous clip

☑接收各种非标定制

☑Receive all kinds of non-standard customizations