

刹车卡钳夹具案例

Brake Caliper Fixture Solution for Automotive Products



工件名称

制动钳壳体, 制动钳支架, 制动缸

材料

铸铁, 铝合金, 铸造铝合金

加工内容

钻孔, 铣面, 镗孔, 精镗, 套镗, 攻丝, 扩孔, 倒角

Workpiece

Caliper housing, caliper anchor, caliper body, master cylinder

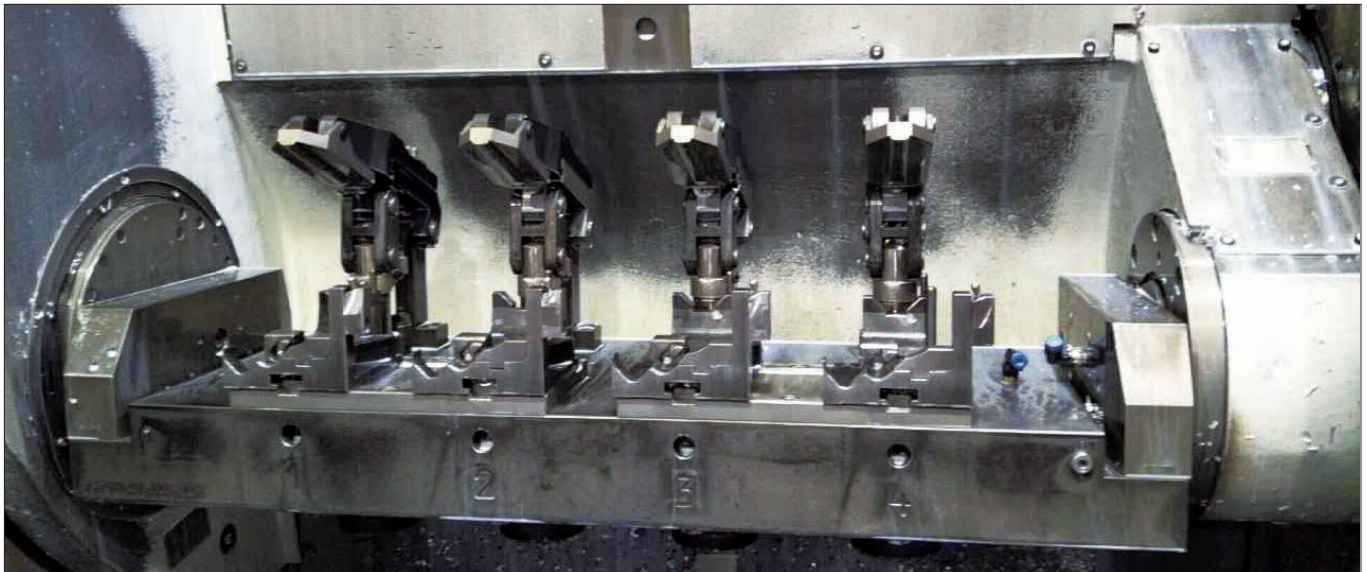
Material

QT400 Cast aluminum alloy

Machining job

Drilling, milling, boring, fine boring, spot boring, tapping, counterboring, chamfering

制动缸夹具 Master Cylinder Fixture



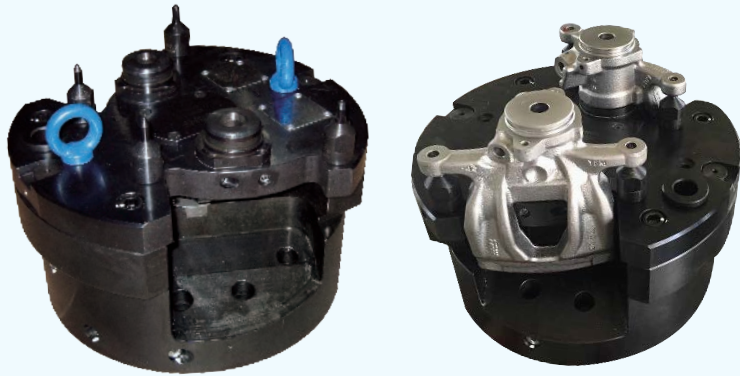
产品描述与特征：

- 精度要求：± 0.01mm
- 使用机床：双主轴卧式加工中心
- 球头销定位
- 四工位夹具
- 自制非标夹紧油缸
- 刀具夹具总包服务

Product Description and Characteristics:

- Machining accuracy: ± 0.01mm
- Machining center: Double spindle horizontal machine center
- Ball pin positioning
- 4 clamping nests
- Self-made non-standard hydraulic clamping cylinders
- Whole package service of cutting tools and fixture

制动钳壳体夹具 Caliper Housing Fixture



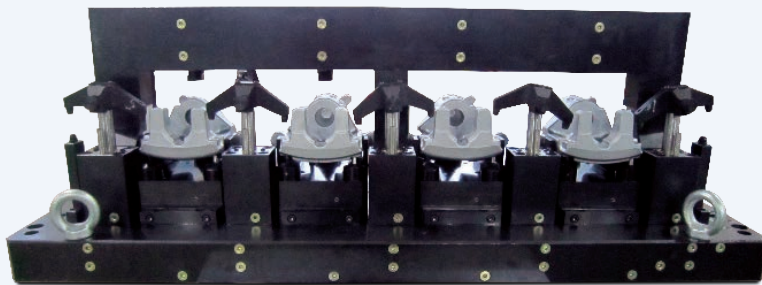
产品描述与特征：

- 精度要求： $\pm 0.01\text{mm}$
- 使用机床：双主轴卧式加工中心
- 销孔定位
- 双工位夹具
- 自制非标夹紧油缸

Product Description and Characteristics:

- Machining accuracy: $\pm 0.01\text{mm}$
- Machining center: Double spindle vertical machine center
- Pin hole positioning
- 2 clamping nests
- Self-made non-standard hydraulic clamping cylinders

制动钳壳体夹具 Caliper Housing Fixture



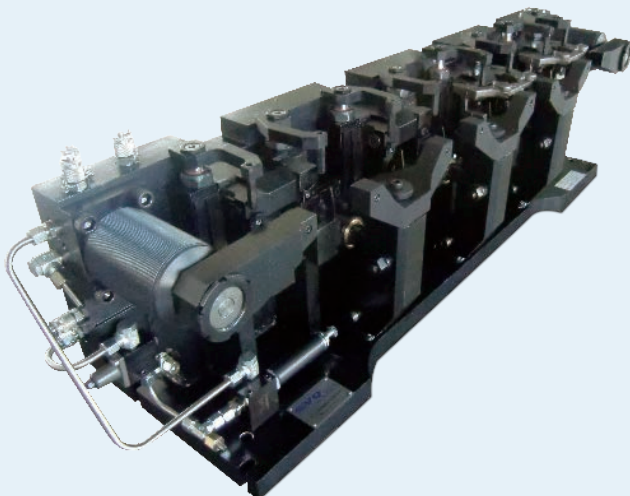
产品描述与特征：

- 精度要求： $\pm 0.01\text{mm}$
- 使用机床：双主轴卧式加工中心
- 球头销定位
- 四工位夹具
- 自制非标夹紧油缸

Product Description and Characteristics:

- Machining accuracy: $\pm 0.01\text{mm}$
- Machining center: Double spindle horizontal machine center
- Ball pin positioning
- 4 clamping nests
- Self-made non-standard hydraulic clamping cylinders

制动钳支架夹具 Caliper Anchor Fixture



产品描述与特征：

- 精度要求： $\pm 0.01\text{mm}$
- 使用机床：双主轴卧式加工中心
- 球头销定位
- 四工位夹具
- 自制非标夹紧油缸

Product Description and Characteristics:

- Machining accuracy: $\pm 0.01\text{mm}$
- Machining center: Double spindle horizontal machine center
- Ball pin positioning
- 4 clamping nests
- Self-made non-standard hydraulic clamping cylinders