

H O M

Automatic Tool Changer

GEAR



检讨中产品
母公司产品，可对外销售

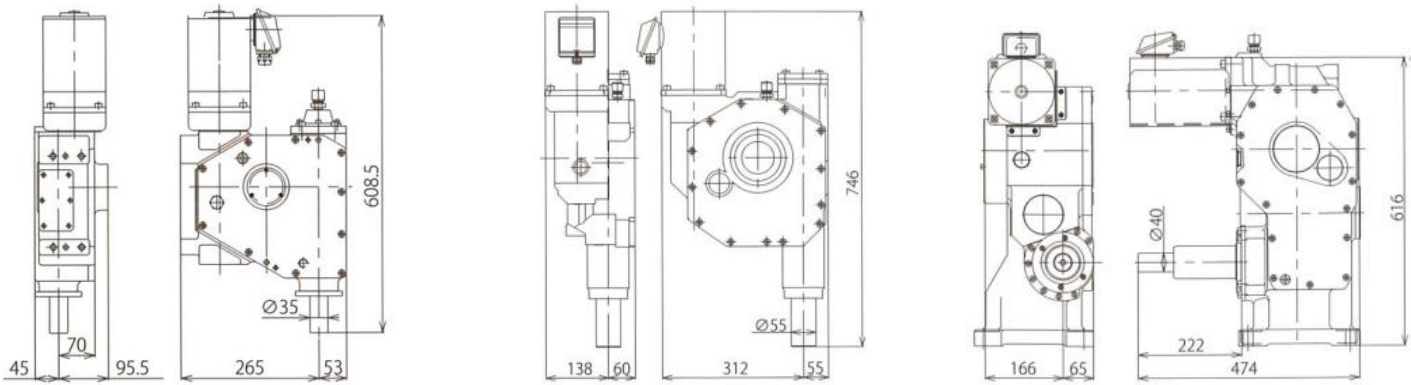
合肥大久保机械有限公司

Hefei Okubo Machinery Co., LTD



Note) For detail, please feel free to contact us. 注) 欲了解详情, 敬请咨询。

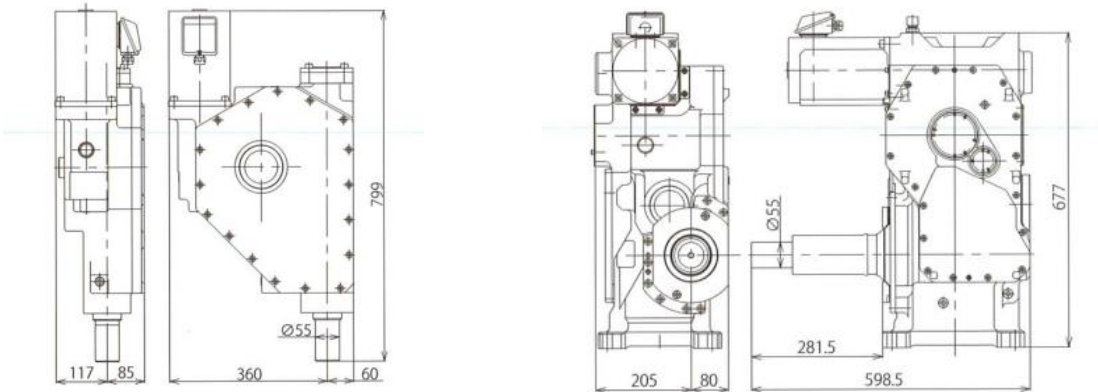
Feature and Specification (Automatic Tool Changer)



30 Vertical Type # 30 立式

40 Vertical Type # 40 立式

40 Horizontal Type # 40 卧式



50 Vertical Type # 50 立式

50 Horizontal Type # 50 卧式

ATC 装置的特征和规格

Type of tool 刀柄形式	BT30	BT40		BT50	
Type of machine 安装要求	Vertical 立式	Vertical 立式	Horizontal 卧式	Vertical 立式	Horizontal 卧式
Cycle time 1 循环周期 [sec]	0.7	1.0	0.8	2.5	2.0
Tool mass (1pc/side) 工具质量 [kgf]	2.5	8	8	20	20
Motor capacity 马达功率 [KW]	0.4	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5
Arm mass 转臂质量 [kgf]	2.5	9	12	20	30
Arm radius 转臂半径 [mm]	150	235	200	290	270
Stroke 行程 [mm]	85	115	115	168	168

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High durability 高耐用性

High precisions, High rigidity 高精度 高强度

Special-design motor
专用电动机

High torque, compact motor by special design, Comply with CE specification.
Water proof motor by IP54 spec as option
可选择 CE 标准电动机，也可选择 IP54 标准的防水电动机。

Worm gear reduction unit
蜗轮减速器

Simple structure by use of worm gear in the system

采用涡轮减速机构，内部装置更为精简

Material of case
箱体材料

Aluminum case is available for Light-weight requirement
满足轻量化需求

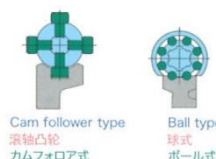
High strength/High rigidity lever
高强度 高精度

Higher durability by use of high strength steel
采用高强度材料，提高了耐用性

Output shaft spline
出力轴花键齿

Larger spline diameter by use of ball type cam.
High torsional rigidity and reduction of cycle time

采用球式凸轮，增加花键齿系直径，提高抗扭刚性，缩短循环周期



Ball type cam.
球式凸轮

Compact size and higher durability by use of ball type cam comparing to the past cam follower type.

采用球式凸轮，与传统的凸轮从动方式相比结构更紧凑，更耐用

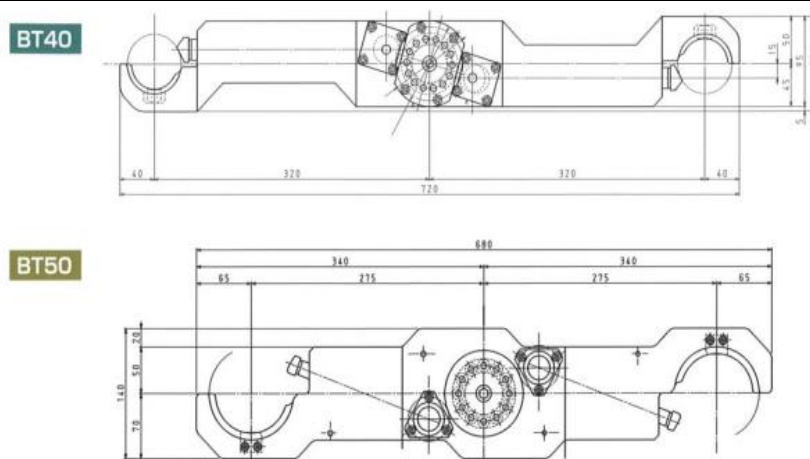
Specially designed cam follower
专用设计凸轮运动件

Higher liability by specially designed cam follower with the larger shaft diameter.

采用增加轴直径的专用凸轮从动件，以确保高可靠性。

Geometrical dimension reference for arms

转臂参考形状



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Development Testing Equipments

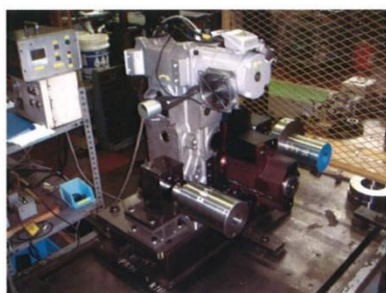
实验设备研发

Uncompromising quality validation

Utilizing full testing equipment,
high reliability is built into our products.

严格的品质保证

充分利用试验装置, 提供产品的可靠性。



ATC validation test (New design arm)
ATC 装置检测实验 (附有新型转臂机构)



Reduction system validation test (worm gear)
减速机构验证实验



Set-up of testing equipments
实验设备组装工程

We validate quality of the products by performing the endurance tests suitable to customer's required specification at the developing phase of the product.

本公司根据客户需求在开发阶段针对客户的技术指标进行了耐用实验检测, 以实现高品质质量保证。

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