

SATTEC®

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赛泰克（成都）工业设备有限公司

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FLANGE FACING MACHINE

法兰加工机



SID MOUNTED FLANGE FACING MACHINE

内涨式法兰端面加工机

产品简介 / Overview

内涨式法兰端面加工机，法兰内径安装，针对法兰面，水纹线，密封槽加工而研发，采用最新的直线和滚珠螺杆技术，设备整体采用模块化设计理念，每一个环节的设计均以现场加工为出发点。广泛应用于石油、化工、天然气、核电等行业法兰联接，安装抢修工程，为现场施工提供了更高的安全保障和更高的生产效率。

ID mounted flange facing machine is designed for the Flange facing, seal groove, serrated finish, weld prep. and counterboring. with the latest line and ball screw technology, the equipment adopts the modular design concept as a whole. Each step of design takes the field processing as the starting point. This machine is widely used in the flange connecting of Petroleum, chemical, natural gas and nuclear power. With the light weight, this machine is helpful for the on-site maintenance. It ensures the high security and efficiency.



产品特点 / Features

- 1、6种规格，加工范围200-4521mm，夹紧范围200-4521mm
- 2、自动进刀，加工精度可调，加工品质高
- 3、重量轻，便于携带，安装快捷，使用方便
- 4、标配车削动力头，适用于法兰面，密封水纹线，密封槽加工
- 5、可选配镗削和铣削动力头，可用于镗孔和铣削加工
- 6、可选的驱动方式：气动式，数控式，液压式

- light weight, easy to carry, fast installation and easy to use;
- Stock finish, smooth finish, gramophone finish, on flanges, valve seats and gaskets.
- Boring and milling tools are optional
- Driven motor: Pneumatic, NC driven, Hydraulic driven
- Latest linear technology for durability and repeatable accuracy
- Standard stock finishes carried out with step: 0.2 - 0.4 - 0.6 - 0.8 mm.

技术参数 / Specification

型号 Model			加工范围 Working range		刀具行程 Tool stroke	刀盘转速 Rotating
气动 Pneumatic	数控 NC	液压 Hydraulic	装夹范围 mm	加工范围 mm	mm	rpm
SAYI-305	SSYI-305	SHYI-305	Φ50-230	Φ50-305	≤110	34
SAYI-610	SSYI-610	SHYI-610	Φ200-500	Φ200-610	≤110	34
SAYI-1016	SSYI-1016	SHYI-1016	Φ508-914	Φ508-1016	≤110	24
SAYI-1420	SSYI-1420	SHYI-1420	Φ610-1016	Φ610-1420	≤110	24
SAYI-2032	SSYI-2032	SHYI-2032	Φ1168-1930	Φ1168-2032	≤110	24
SAYI-3048	SSYI-3048	SHYI-3048	Φ2210-2810	Φ2210-3048	≤110	23
SAYI-4521	SSYI-4521	SHYI-4521	Φ2210-4521	Φ2210-4521	≤110	23

相关技术参数仅供参考，不作为最终交货标准 Above parameters just for reference only, not acceptance criteria

驱动选择 / Power Supplies

气动式:

气源要求: 1500-3500L/min@0.63-0.8Mpa

功率: 2HP, 3HP或4HP

数控式:

电源要求: 220V 1PH 50/60Hz或380V 3PH 50/60Hz

功率: 2.0KW或3.0KW

液压式:

液压要求: 28-50L/min @13Mpa;

适配电源: 380V 3PH 50/60Hz

额定压力: 13MPa

额定流量: 28L/min

最大输出扭矩: 380NM

Pneumatic:

Air requirement:1500-3500L/min @0.63-0.8Mpa

Power: 2HP,3HP,4HP

Double motor for big model or heavy duty

NC:

Electric requirement: 220V 1PH 50/60Hz;

380V 3PH 50/60Hz

Power: 2.0KW or 3.0KW

Double motor for big model or heavy duty

Hydraulic:

Hydraulic requirement: 28-50L/min @13Mpa

Electric requirement: 380V 3PH 50/60Hz

Rated Pressure: 13MPa

Rated flow:28L/min

Max. Torque: 380NM



嵌入式刀具 / Insert style

刀柄材质: 40Cr

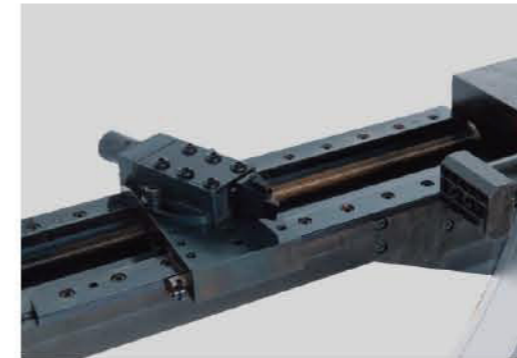
刀片材质: 硬质合金

种类: 切槽刀, 法兰面正刀、偏刀

Material: Holder HSS ;

Insert: HSS-Co or Carbide

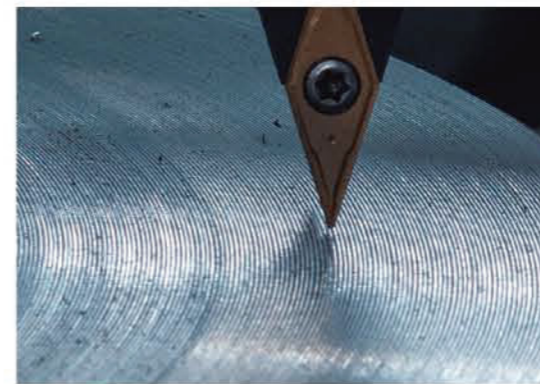
Type: Grooving, Facing,



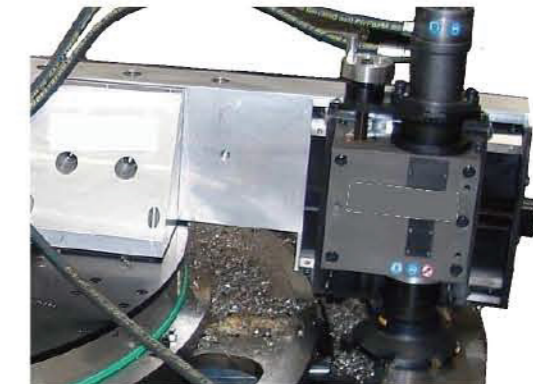
角度调节刀架
Tool slide



复合进刀机构
Compound feed mechanism



密封线加工
Sealing



铣削加工
Milling

SSSYI SID MOUNTED CNC FLANGE FACING MACHINE

内涨式全数控法兰加工中心

产品简介 / Overview

SSSYI内涨式全数控法兰加工中心，是内涨式法兰端面加工机的增强型，针对法兰面和管道端面复合型坡口而设计，采用伺服电机驱动，赛泰克独创数控系统，实现轴向和径向联动进给加工，刀具加工轨迹通过数控编程控制，让野外现场的法兰和管道复杂型维修及施工变得更容易。

SID mounted CNC flange facing machine is new type flange facer. It is designed for both flange and all the complicated pipe end processing. This machine is driven by the Servo motor, and controlled by the SATEC CNC system to realize the axial and radial feeding processing. The tools are controlled by the program, which makes the complex maintenance and the construction of flange and pipeline in field much easier.



产品特点 / Features

- 1、加工范围0-4521mm，夹紧范围100-4521mm，均可选型
- 2、自动进刀，加工精度可调，加工品质高
- 3、伺服电机驱动，轴向和径向联动加工，可编程控制加工
- 4、移动式人机对话，预设加工参数，可视化模拟加工
- 5、适用于法兰面，水纹线，密封槽加工，厚壁管的复合型坡口加工
- 6、更可对管端进行复合型坡口加工以及内、外螺纹加工

- Working range 200-4521mm, Clamping range 200-4521mm
- The processing precision is adjustable and the processing quality is high.
- servo motor drive, axial and radial linkage processing, program able control processing;
- man-machine interface, preset processing parameters, and visualized simulation processing;
- suitable for processing flange face, Serrated finishing, sealing groove and composite beveling for thick wall pipe;
- Internal and external thread machining

技术参数 / Specification

型号 Model	装夹范围 Clamping range	加工范围 Working range	进刀行程 mm Stroke mm		电机功率 kw Motorpowerkw		
	IDmm	mm	径向 Radial	轴向 Axial	主轴 Spindle	轴向 Radial	径向 Axial
SSSYI-610	Φ200-500	Φ200-610	210	110	2.0	0.4	0.4
SSSYI-1016	Φ508-914	Φ508-1016	254	110	2.0	0.4	0.4
SSSYI-1420	Φ610-1016	Φ610-1420	405	110	2.0	0.4	0.4
SSSYI-2032	Φ1168-1930	Φ1168-2032	432	110	5.5	0.4	0.4
SSSYI-3048	Φ2210-2810	Φ2210-3048	420	110	7.5	0.4	0.4
SSSYI-4521	Φ2210-4521	Φ2210-4521	1156	110	11	0.4	0.4

相关技术参数仅供参考，不作为最终交货标准 Above parameters just for reference only, not acceptance criteria

嵌入式刀具 / Insert style

刀柄材质: 40Cr

刀片材质: 硬质合金

种类: 切槽刀, 法兰面正刀、偏刀

Material: Holder HSS ;

Insert: HSS-Co or Carbide

Type: Grooving, Facing



数控系统
Mobile control box



移动控制器
Mobile controller



重型管道加工
Heavy duty for pipe



SOD MOUNTED FLANGE FACING MACHINE

外卡式法兰端面加工机

产品简介 / Overview

外卡式法兰端面加工机，针对法兰面，水纹线，密封槽加工而设计研发，采用最新的直线和滚珠螺杆技术，设备整体采用模块化设计理念，每一个环节的设计均以现场加工为出发点。广泛应用于石油、化工、天然气、核电等行业法兰联接，安装抢修工程，为现场施工提供了更高的安全保障和更高的生产效率。

SOD mounted flange facing machine is designed for the Flange face, seal groove and serrated finish, weld prep. and counter boring. With the latest line and ball screw technology, the equipment adopts the modular design concept as a whole. Each step of design takes the field processing as the starting point. This machine is widely used in the flange connecting of Petroleum, chemical, natural gas and nuclear power. With the light weight, this machine is helpful for the on-site maintenance. It ensures the high security and efficiency.



产品特点 / Features

- 1、加工范围0-3000mm，夹紧范围150-3000mm,均可选型
- 2、自动进刀，加工精度可调，加工品质高
- 3、标配车削动力头，适用于法兰面，密封水纹线，密封槽加工
- 4、可选配镗削和铣削动力头，可用于镗孔和铣削加工
- 5、可选的驱动方式：气动式，数控式，液压式

- boring and milling tools are optional
- driven motor: Pneumatic, NC driven, Hydraulic driven
- Working range 0-3000mm, Clamping range 150-3000mm
- light weight, easy to carry, fast installation and easy to use
- Stock finish, smooth finish, gramophone finish, on flanges, valve seats and gaskets
- High quality finish can be achieved. The feed of cut is automatic from the o/d. inwards
- Standard stock finishes carried out with step: 0.2 - 0.4 -0.6 - 0.8 mm

技术参数 / Specification

型号 Model			装夹范围 Clamping range	加工范围 Working range	刀具行程 Tool stroke	刀盘转速 Rotating
气动 Pneumatic	数控 Electric	液压 Hydraulic	OD mm	mm	mm	rpm
SAYO-500	SSKO-500	SHYO-500	Φ150-500	Φ100-500	110	14
SAYO-1000	SSKO-1000	SHYO-1000	Φ500-1000	Φ200-1000	110	10
SAYO-1500	SSKO-1500	SHYO-1500	Φ1000-1500	Φ500-1500	110	8
SAYO-2500	SSKO-2500	SHYO-2500	Φ1500-2500	Φ1000-2500	110	4
SAYO-3000	SSKO-3000	SHYO-3000	Φ2500-3000	Φ1000-3000	110	3

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驱动选择 / Power Supplies

气动式:

气源要求: 1500-3500L/min@0.63-0.8Mpa
功率: 2HP, 3HP或4HP

数控式:

电源要求: 220V 1PH 50/60Hz或380V 3PH 50/60Hz
功率: 2.0KW或3.0KW

液压式:

液压要求: 28-50L/min @13Mpa
适配电源: 380V 3PH 50/60Hz
额定压力: 13MPa
额定流量: 28L/min
最大输出扭矩: 380NM

Pneumatic:

Air requirement:1500-3000L/min @0.63-0.8Mpa
Power: 2HP,3HP,4HP
Double motor for big model or heavy duty

NC:

Electric requirement: 230V 1PH 50/60Hz;
380V 3PH 50/60Hz
Power: 2.0KW or 3.0KW
Double motor for big model or heavy duty

Hydraulic:

Hydraulic requirement: 28-50L/min @13Mpa
Electric requirement: 380V 3PH 50/60Hz
Rated Pressure: 13MPa
Rated flow:28L/min
Max. Torque: 380NM



嵌入式刀具 / Insert style

刀柄材质: 40Cr

刀片材质: 硬质合金

种类: 切槽刀, 法兰面正刀、偏刀

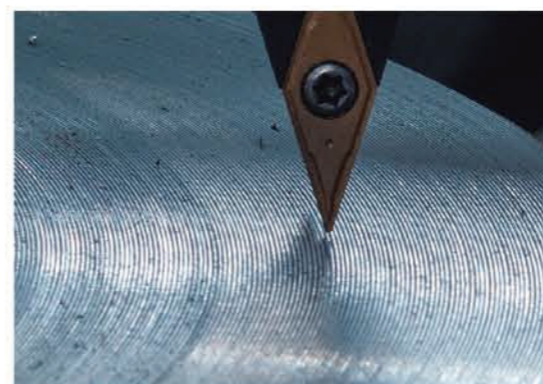
Material: Holder HSS ;
Insert: HSS-Co or Carbide
Type: Grooving, Facing,



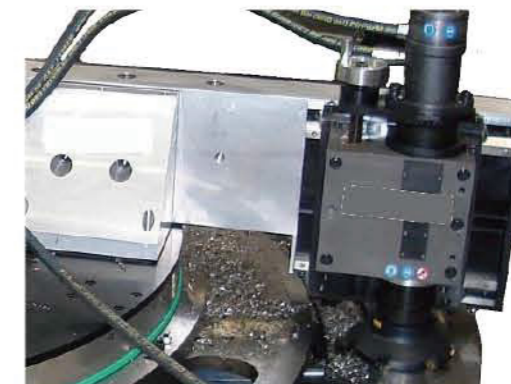
角度调节刀架
Tool slide



复合进刀机构
Compound feed mechanism



密封线加工
Sealing



铣削加工
Milling

SSSYO SOD MOUNTED CNC FLANGE FACING MACHINE

外卡式全数控法兰加工中心

产品简介 / Overview

外卡式全数控法兰加工中心，是外卡式法兰端面加工机的增强型，针对法兰面和管道端面复合型坡口而设计，采用伺服电机驱动，赛泰克独创数控系统，实现轴向和径向联动进给加工，刀具加工轨迹通过数控编程控制，让野外现场的法兰和管道复杂型维修及施工变得更容易。

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产品特点 / Features

- 1、加工范围0-3000mm，均可选型
- 2、自动进刀，加工精度可调，加工品质高
- 3、伺服电机驱动，轴向和径向联动加工，可编程控制加工
- 4、移动式人机对话，预设加工参数，可视化模拟加工
- 5、适用于法兰面，水纹线，密封槽加工，管端复合型坡口
- 6、更可对管端进行复合型坡口加工以及内、外螺纹加工

- Working range 100-3000mm, Clamping range 100-3000mm
- The processing precision is adjustable and the processing quality is high.
- servo motor drive, axial and radial linkage processing, program able control processing;
- man-machine interface, preset processing parameters, and visualized simulation processing;
- suitable for processing flange face, Serrated finishing, sealing groove and composite beveling for thick wall pipe;
- Internal and external thread machining

技术参数 / Specification

型号 Model	装夹范围 Clamping range	加工范围 Working range	进刀行程 mm Stroke mm		电机功率 kw Motor power kw		
	OD mm	mm	径向 Radial	轴向 Axial	主轴 Spindle	轴向 Radial	径向 Axial
SSSYO-500	Φ100-500	Φ100-500	200	200	2.0	0.4	0.4
SSSYO-1000	Φ200-1000	Φ200-1000	400	400	2.0	0.4	0.4
SSSYO-1500	Φ1000-1500	Φ300-1500	600	600	2.0	0.4	0.4
SSSYO-2500	Φ1500-2500	Φ610-2500	945	945	5.5	0.4	0.4
SSSYO-3000	Φ2500-3000	Φ1000-3000	1000	1000	7.5	0.4	0.4

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嵌入式刀具 / Insert style

刀柄材质: 40Cr

刀片材质: 硬质合金

种类: 切槽刀, 法兰面正刀、偏刀

Material: Holder HSS

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Type: Grooving, Facing



数控系统
Mobile control box



移动控制器
Mobile controller

