

RELIABLE ON-LINE MACHINING EQUIPMENTS

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Pay attention to Bohyar



RELIABLE ON-SITE MACHINING SOLUTIONS



- Manufacture Pipeline Cutting & Beveling Equipment
- Offer On-Site Machining Service

MAJOR CUSTOMER



Oil & Natural gas



Long-distance pipeline



Petrochemistry



Refinery



Shipbuilding & Oceaneering



Power plant



Water treatment



Boiler plant





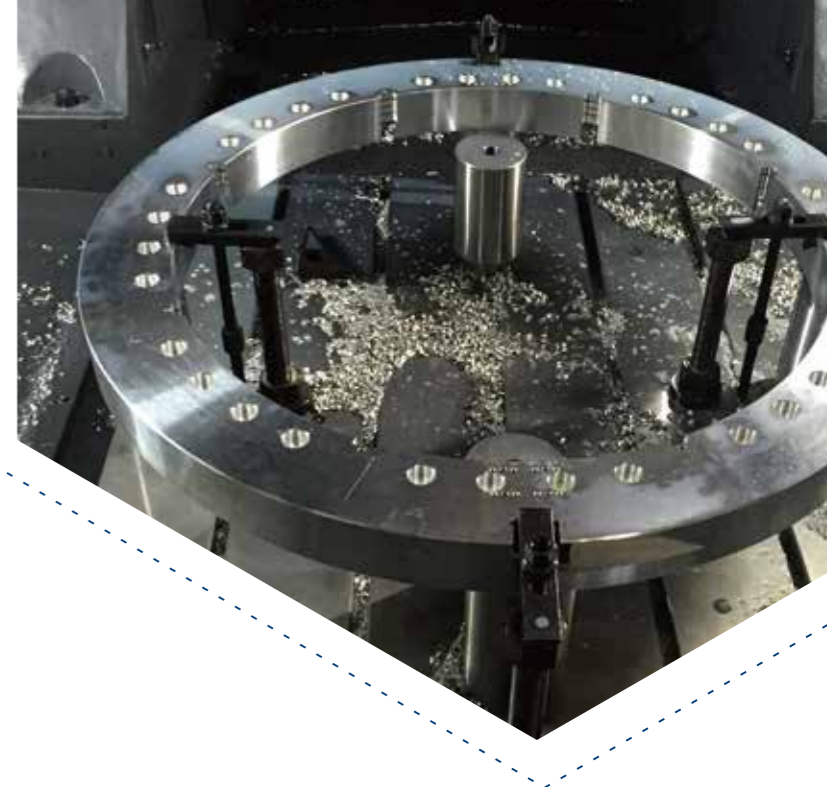
BOHYAR COMPANY INTRODUCTION

Bohyar, headquartered in Suzhou City, Jiangsu Province, always endeavors to provide customers with a full set of solutions for industrial pipelines. After many years of research and development, Bohyar has produced a full range of online pipeline cutting and beveling equipments, hydraulic power station, flange facer etc., which are flexible to meet different needs of customers around the world. We devote our efforts to serve for many fields such as global nuclear power plant, oceaneering, pressure vessel, long distance pipeline and chemical plant. What's more, we are improving our products continuously by exploring the practical usage of the site, which allows our team to create high-quality products and services.

Bohyar is a trustworthy enterprise which has many years of experience in mechanical design and manufacturing. We have strict standards for suppliers' selection and always aim to be the world's best. That's why we can build this high-end brand successfully and become partners of CNPC, Sinopec, CNOOC and other large enterprises. Moreover, Bohyar has many global distributors with its stable performance and perfect service system. Every year, a large number of products are exported to Russia, Iran, Pakistan, Oman, Malaysia, Australia, Korea and other countries.

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SAFETY ECONOMIC EFFICIENT

Quality System

Our quality policy is to keep improving to enhance customer satisfaction. Bohyar introduced a full set of advanced inspection and test equipments to control the whole quality process from raw materials or parts to finished products on the basis of ISO9001 quality management system. The equipments can help us in the following tests: CMM, PMI material composition, shock test, tensile strength test, hardness test, coloring inspection, magnetic particle inspection, ultrasonic testing, optical spectrum analysis and routine hydrostatic test. Bohyar implements zero-defect quality management with advanced data statistics and analysis to continually improve the ability of process control and management.

Advanced Manufacturing

Bohyar manufacturing concept is to ensure stable quality and punctual delivery. All major components are developed on our own production to ensure the quality. The factory has horizontal machining centers, CNC vertical lathes, vertical machining centers, horizontal CNC lathes, CNC wire cutting machine and other manufacturing equipment and 100,000-class purification plant, and equipped with an experienced manufacturing team.



Independent R&D and Design

Our Innovation +

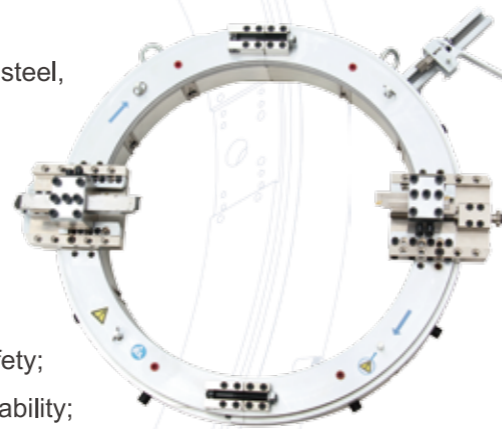
Bohyar's R&D target is to provide customers with value-added products and service. The solid structure and excellent stability of our products can be achieved by means of independent R&D center and dozens of mechanical designers with adept machine design and proofreading ability. Bohyar introduces many advanced software, by which designers and engineering technicians can realize more scientific and reasonable product design and R&D. The software includes AutoCAD 2D design, Solidwork3D design, Pro-E 3D design, CAXA electrical plate, ANSYS finite element analysis, PC-DMIS Pro three-coordinate measurement, NDTTr 6.5xXL spectrographic analysis etc.

Product Introduction

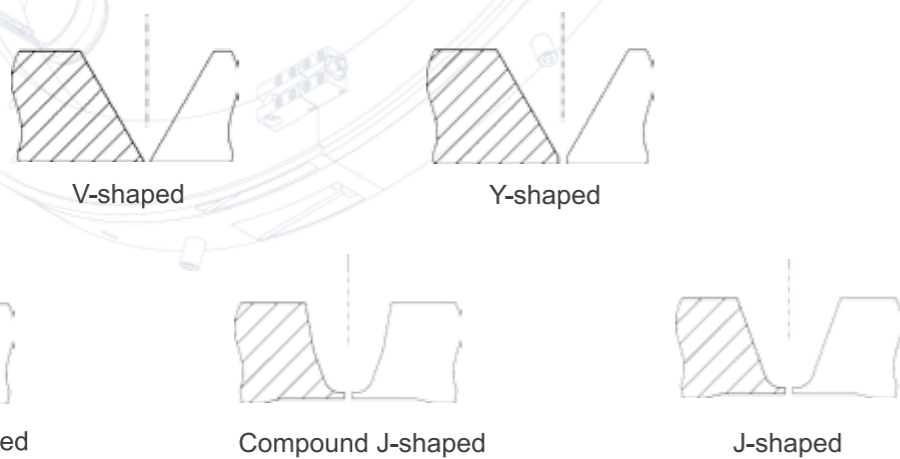
SFM series machines are available to cut, bevel, counterbore, drill and mill pipes from 2 inch - 84 inch O.D. (50-2133.6mm) on all diameter of carbon steel, stainless steel, and various types of alloy pipes. They are widely used in nuclear power, thermal power, petroleum, chemical plant, natural gas, boiler plant ,pharmaceutical factory and other areas.

Product Features

- Split frame structure, can be quickly installed to any position of external wall of operational pipeline with its clamps, occupying small space;
- Be able to process pipes made from various grades of carbon steel, alloy steel, stainless steel and other metals;
- Fixed rings use lightweight and high-strength aeronautical aluminum to ensure portability;
- Cold cutting, no heat affected zones;
- Feed system offers low clearance operation with precise feed;
- Full closed bearing and driving gear system for operational safety;
- Adjustable bearing system-distributes load evenly to ensure stability;
- Equipped with precise machining tools, with high efficiency and long service life;
- Multi-point pipe clamping system which can securely clamp the equipment onto the pipeline;
- Low friction adjustable bearing system provides maximum stability and extended machine life;
- Interchangeability of components-allows accessories & tool slides to mount to multiple ring sizes.



Beveling Type



*Customized tools can be provided for processing bevels of other angles.

SFM Tools



Clip-type cutting tools
Ordinary cutting tools

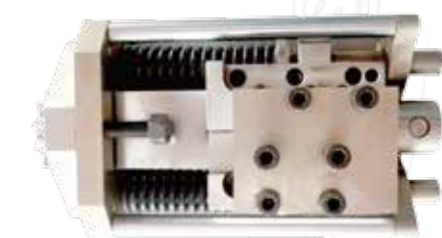


Clip-type beveling tools
Ordinary beveling tools

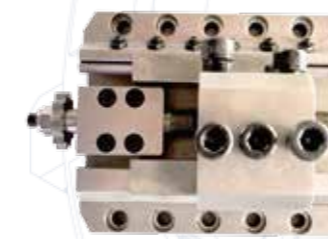
Tool Slides



Extended spring tool slide



Conventional spring tool slide



Thick-wall tool slide



Drilling and milling tool slide

Spring tool slide	It is used to track the surface of out-of-round pipes, which can greatly save installation, adjustment and cutting time. It can quickly and automatically track the system to ensure even feed, and can keep standard wall thickness of large diameter counterbore when combined with counterbore tool slide.
Thick-wall tool slide	It can be applied to SFM 0206 to 4248 with stroke of 64 mm; It can be used in large-size pipes and pipes with different wall thicknesses.
Drilling&milling tool slide	Achieve pipe cutting by using the drilling and milling. High-strength tool slide, smooth cutting and simple operation.

Models

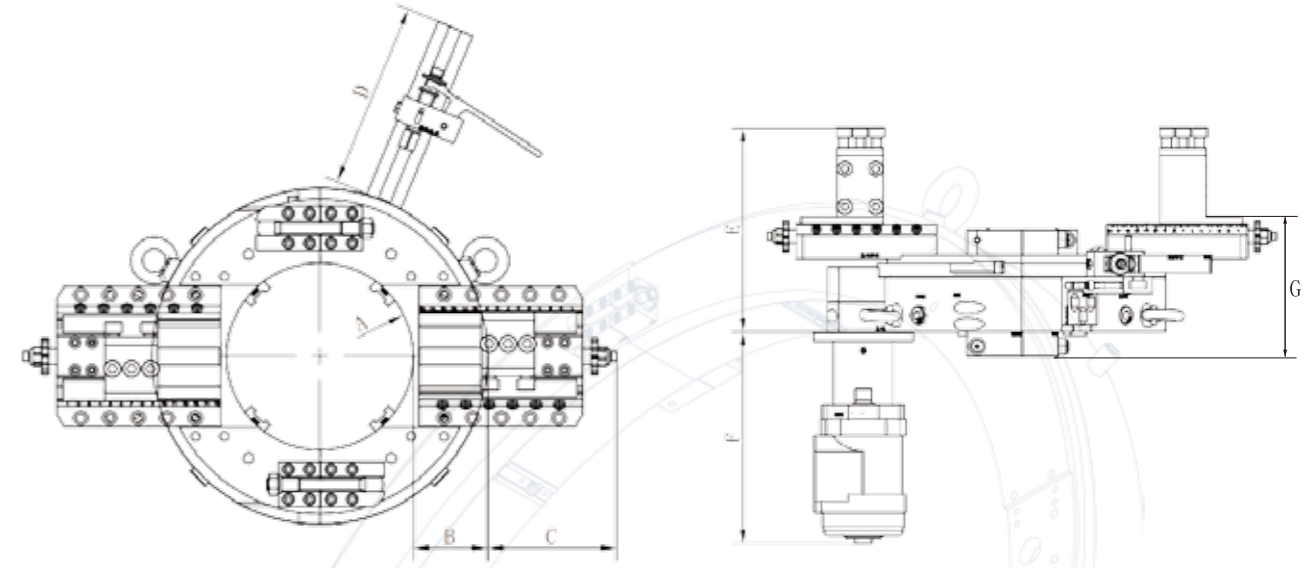
Model	Processing range (in)	Max wall thickness (mm)	Weight (kg)	Drive mode
SFM0206	2"-6"	30	35	Pneumatic Hydraulic Electric
SFM0408	4"-8"	40	40	
SFM0612	6"-12"	80	45	
SFM0814	8"-14"	100	55	
SFM1218	12"-18"	100	70	
SFM1420	14"-20"	100	76	Electric Hydraulic
SFM1824	18"-24"	100	123	
SFM2026	20"-26"	100	130	
SFM2430	24"-30"	100	142	
SFM2632	26"-32"	100	150	
SFM3036	30"-36"	100	159	
SFM3642	36"-42"	100	179	
SFM4248	42"-48"	100	198	
SFM4860	48"-60"	100	642	
SFM6072	60"-72"	100	730	
SFM7284	72"-84"	100	820	

* Processing range can be customized according to the pipe diameter.

Specifications

Drive mode	Pneumatic	Air requirements	1.7m ³ /min-6.2bars(65ft ³ /min-90psi)
	Hydraulic	Hydraulic requirements	31l/min-104bars(8gal/min-1500psi)
	Electric	Electric requirements	220V/AC
Feed method	Star wheel system	Feed rate	0.08mm per trip
Finish	Anodizingsand blasting	Packaging	Aluminum alloy or metal packing case

Dimension



The axial and radial clearance tables of installing thick-wall tool slide and hydraulic motors

Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
SFM0206	176	70	122	176	225	253	164
SFM0408	228	70	122	176	225	253	164
SFM0612	332	70	122	176	225	253	164
SFM0814	364	70	122	176	225	253	164
SFM1218	468	70	122	176	225	253	164
SFM1420	518	70	122	176	225	253	164
SFM1824	622	102	98	176	235	253	174
SFM2026	674	102	98	176	235	253	174
SFM2430	776	102	98	176	235	253	174
SFM2632	826	102	98	176	235	253	174
SFM3036	928	102	98	176	235	253	174
SFM3238	1006	102	98	176	235	253	174
SFM3642	1082	102	98	176	235	253	174
SFM4248	1236	102	98	176	235	253	174
SFM3648	1296	140	220	276	235	253	174
SFM4860	1600	140	220	276	235	253	174
SFM6072	1905	140	220	276	235	253	174
SFM7284	2210	140	220	276	235	253	174

Product Introduction

Bohyar's BPP is a lightweight, handheld end prep beveler engineered to produce precise, highly repeatable weld preps, which is widely used in boiler, pharmaceutical industry and other areas. It's designed for simultaneous facing and beveling tube and pipes (including carbon steel, steel alloy and stainless steel) from 12.5mm to 240mm I.D. up to a wall thickness of 0.75" (18mm).



Product Features

- Lightweight and high-strength aluminum - ensure portability;
- Precision-manufactured tool slides - ensure absolute rigidity;
- Cold machining - no heat affected zones;
- Interchangeability of components - allows accessories & tool slides to mount to multiple ring sizes;
- Quick installation, positioning the machine in the center of the tube and install the appropriate tool.

Models

Model	I.D. (mm)	Wall thickness (mm)	Rated power (kw)	Rotating speed (rpm)
BPP1E kit1	12.5-15	≤3	1.43	3-70
BPP1E kit2	15-20	≤5	1.43	3-70
BPP1E kit3	20-28	≤6	1.43	3-70
BPP3E/ BPP3P	26-79	≤15	1.43	3-70
BPP3PE	36-90	≤15	1.43	3-50
BPP4E/ BPP4P	45-105	≤20	1.43	34
BPP6E/ BPP6P	65-159	≤20	1.43	34
BPP9E	80-240	≤15	1.43	16

*Electric: Rated voltage of 220V, 50/60Hz

Tools



Beveling tool

Product Introduction

Travel Cutter is secured to the pipe by a special tensioning/drive chain, driving itself around the pipe as it simultaneously cuts and bevels, providing a machined surface ready for welding. It's designed for cutting and beveling all common pipe materials, wall thicknesses and sizes from 6 inch- 72inch O.D (153-1829mm). The TC Model utilizes a powerful, sealed closed loop hydraulic drive system, ideally suited for hostile environments or use underwater.

Product Features

- Perfect cold cutting - it has been used in a wide range of applications, including natural gas, crude oil and radioactive environments;
- Compact & portable design - light weight, only 10"-12" gap, less than 10 minutes to install;
- A wide range of applications - operate in the trenches full of silt and 25 meters underwater;
- Good stability - strong corrosion resistance and durable structure.



Specifications

Model	TC0672	Processing range	6"-72" (153mm-1829mm)
Drive	Hydraulic	Wall thickness	5mm-20mm
Hydraulic requirements	15gpm@1500psi (57LPM,106bar)	Clearance	254-305mm (10"-12")radial, depending on pipe diameter. 20"axial(508 mm)
Feed method	Reliable, anti-slip chain drive.	Finish	Paint
Cutter speed	Adjustable 0-60RPM	Installation	Vertical or horizontal installation
Dimension	610x510x280 (mm)	Operating weight	100kg
Hydraulic control	Cutter on-off, feed on-off. Flow control valves which can adjust feed speed. Forward/Reverse travel permits machine to be backed up.		

Tools



Positive beveling tool



Negative beveling tool



Cutting tool

DIAMOND WIRE SAW

Product Introduction

Diamond Wire Saw (DWS) is designed for under water cutting of pipe or structures, with five models available to cut from 4" to 84" O.D. (114.3-2134mm). Running on hydraulic power, the saw is controlled remotely with dedicated HS controls, topside control panels or by ROV control. All Subsea DWS features a unique hydrodynamic design that dramatically reduces centrifugal forces during operation.

Product Features

- Synchronous clamping: reduce the visual error, and ensure the uniformity of the force;
- Self-regulating tensioning system: spring and cylinder can maintain a constant tension of the diamond rope, which effectively prevent excessive tension causing damage to the machine, enhance the safety of the operator and greatly extend the rope life;
- Compressible cutting: reduce the influence of moving or shifting slightly during the operation.



Models

Model	DWS 0416	DWS 1230	DWS 1636	DWS 3052	DWS 6084
Maximum Pipe Capacity	16" (406mm)	30" (762mm)	36" (914mm)	52" (1321mm)	84" (2134mm)
Minimum Pipe Capacity	4" (114.3mm)	12" (323.8mm)	16" (406mm)	30" (762mm)	60" (1524mm)

Tools



Diamond rope



Diamond rope

MANUAL FLANGE FACER

Product Introduction

The FFT106 manual flange facer is a small-diameter flange end face machining device, and has the lathe-level machining precision and performance. It is widely used in pipes, valves, flanges and other damage to the end face of the online repair. It is the perfect solution to all of your small diameter facing problems. Due to clamping and machining range, it is a very efficient tool for serving or repairing workshop but also for piping construction companies and vessel manufacturers.



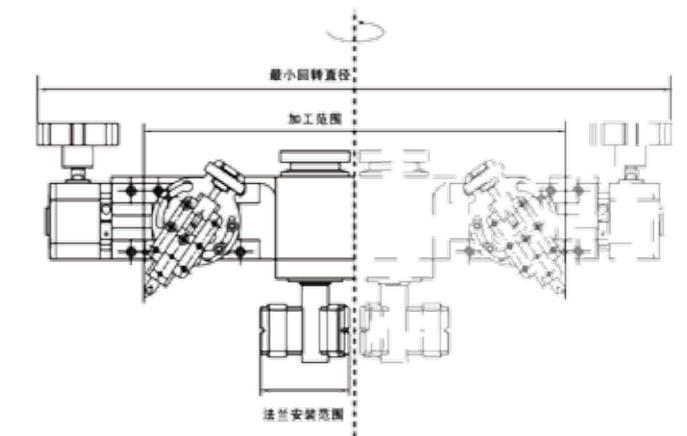
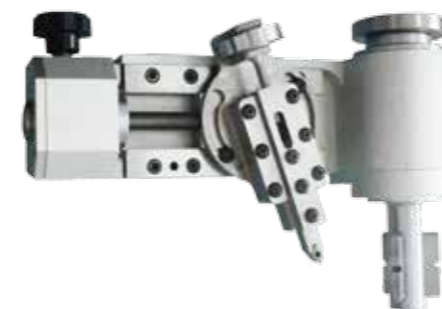
Product Features

- No external power supply is needed, and the single-person mode can be easily applied for machining;
- The weight of the portable product is only 7kg;
- With self-centering tensioning mechanism, the product can be installed easily and rapidly;
- The feeding screw can be replaced rapidly, and the waterline and finishing requirements can be met;
- Be applicable to various kinds of carbon steel, stainless steel, alloy steel and other materials;
- Cold machining is adopted, without high temperature or spark.

Specifications

Model	FFT106	Processing range	1"-14"(25.4mm-350mm)
Drive mode	Manual	Minimum swing diam	460mm
Min int clamp cap	1"(25.4mm)	Max int clamp cap	6"(152mm)
Processing standard	ASME B16.5	Installation	Vertical or horizontal installation
Shipping dimensions	495X390X165(mm)	Shipping weight	17lbs(7.7kg)

Note: It can be customized according to different requirements.



HYDRAULIC POWER STATION

Product Introduction

Bohyar's hydraulic power station is the ideal choice for smooth, reliable hydraulic power in the shop or in the field. It packs more power in less space than any other source. Because they're completely sealed, hydraulic is the perfect choice for partial immersion, offshore use, desert and other difficult environments. Light and medium duty cart mounted units offer maximum portability and a compact footprint.

Product Features

- Space-saving, portable and easy to move;
- Variable piston pump with real-time load feedback and adjustment allows the system to save more energy and reduce heat;
- Manually adjust the system pressure;
- Imported main components, boasting stable performance and long service life.

Specifications

Model	HS-10	HS-20	HS-36
Drive mode	Electric	Electric	Diesel
Rated pressure	P=10Mpa	P=10Mpa	P=15Mpa
Rated flow	Q=38L/min	Q=65L/min	Q=90L/min
Rated power	N=7.5KW (10HP)	N=15KW (20HP)	N=28KW (36HP)
Rated speed	n=1450r/min	n=1450r/min	n=2600r/min
Shipping dimensions	1000x920x620(mm)	1110x810x1300(mm)	1386x1200x1500 (mm)
Shipping weight	300kg	400kg	800kg



Electric



Diesel

BUSINESS PARTNERS



CERTIFICATES



▲ High-Tech Enterprises



▲ High-tech product certification



▲ High-tech product certification



▲ CU-TR



▲ CE



▲ ISO14001:2004



▲ GB/T28001-2011/
OHSAS18001:2007



▲ GB/T19001-2008/
ISO9001:2008



▲ Patent certificate

