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TUWEI PIPE MACHINERY

www.cntuwei.com



2025 catalogue

TUWEI®

ZHEJIANG VICTAULIC-TUWEI PIPING
EQUIPMENT CO.,LTD



COMPANY PROFILE

Zhejiang Victaulic-Tuwei Piping Equipment CO., LTD was established in 2004. TUWEI is the first company who is committed to develop and manufacture the quick connection tools of pipelines in zhejiang province. In the past decade, TUWEI has become the leading high technology company in the industry of quick connection pipe tools.

TUWEI has been identified as state-level high-tech enterprises in 2010. In the same year TUWEI municipal high and new technology research and development center was founded. We always pay special attention to independent research and development of new products, serious product quality and good after-sales services. Sales network of TUWEI cover all of domestic and abroad. More than 50% of our products have been exported to Europe, America, southeast Asia and the Middle East.

The company always follow the faith : Survive by good quality, Develop by keeping good credit. We will always try our best to provide our best and most suitable products to customers. The developing TUWEI needs your more support and let's stride forward!





EQUIPMENT

The leading edge of manufacturing line, clean working site, orderly production process and prompt availability of technical support ensure reliable high quality. In the past decade huge investment has been used for upgrading workshop and production equipment.



PRODUCTION LINE

Tuwei is ISO9001:2008 certified company. We got the CE certifications of all the exported products. In the past decade, TUWEI developed many different kinds and models of the roll grooving machine, pipe cutting machine, hole cutting machine... With Advanced processing equipments, perfect detections, strong technical team and very long time production experience and scientific management mode TUWEI develop continuously. We have become the famous brand and nominated supplier of some the big groups in the tools industry.



OUR TEAM

All Tuwei people have only one common idea: To make Tuwei best, to provide best products, best service.

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09~28



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ROLL GROOVING MACHINE

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Specifications

Capacity
 2"-12" (Ø 60-Ø 325) SCH40 steel pipe
 2"-12" (Ø 60-Ø 325) SCH10S SCH55 SCH10 SCH5 thin wall steel pipe
Max. wall thickness: 10mm
Output RPM : 23rpm
G.W: 158kgs
Packaging size: 78×70×92(cm)



TWG-IIA

ROLL GROOVING MACHINE

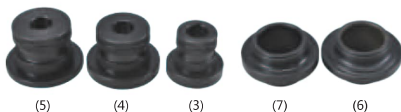
- This machine is designed for grooving 2"-12" steel pipe
- Powered by high-performance gear reducing motor contributing to compact size and low noise
- Unique integral hydraulic pump structure and groove depth limitation device ensure high quality grooves and high working efficiency



Optional Equipment

*For SCH10S SCH55 SCH10 SCH5 thin wall steel pipe

Art.No.	Description	N.W(kgs)
09.03.009	thin-wall knurl wheel Ø60-Ø76	0.55
09.03.010	thin-wall knurl wheel Ø89-Ø168	1.28
09.03.011	thin-wall knurl wheel Ø219-Ø325	1.43



Art.No.	Phase	Voltage	Frequency
08.01.002.01	single phase	110/120/220/230/240V	50/60HZ
08.01.002.02	Three phase	220/380/415/440V	50/60HZ

Standard Equipment

*For SCH40 steel pipe

Art.No.	Description	N.W(kgs)	Ref No.
09.02.031	Pipe stand	18	(2)
03.01.01.016	Knurl wheel Ø60-Ø76	0.545	(3)
03.01.01.015	Knurl wheel Ø89-Ø168	1.265	(4)
03.01.01.014	Knurl wheel Ø219-Ø325	1.415	(5)
03.01.01.026	Pinch roller Ø60-Ø168	0.885	(6)
03.01.01.025	Pinch roller Ø219-Ø325	0.85	(7)

*Reminding: Please select TWG-IVA if groove large number of 12 inch pipes

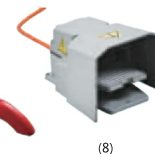
TWG-IIA-B

ROLL GROOVING MACHINE

- This machine is designed for grooving 2"-12" steel pipe
- Powered by high-performance gear reducing motor contributing to compact size and low noise
- The unique integral hydraulic pump structure and groove depth limitation device ensure high quality grooves and high working efficiency
- Equipped with a humanized armrest to facilitate moving the machine

Specifications

Capacity
 2"-12" (Ø 60-Ø 325) SCH40 steel pipe
 2"-12" (Ø 60-Ø 325) SCH10S SCH55 SCH10 SCH5 thin wall steel pipe
Max. wall thickness: 10mm
Output RPM : 23rpm
G.W: 170kgs
Packaging size: 78×70×92(cm)



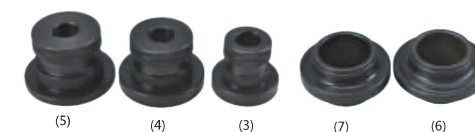
Art.No.	Phase	Voltage	Frequency
08.01.003.01	single phase	110/120/220/230/240V	50/60HZ
08.01.003.02	Three phase	220/380/415/440V	50/60HZ

Standard Equipment

*For SCH40 steel pipe

Art.No.	Description	N.W(kgs)	Ref No.
09.02.031	Pipe stand	18	(2)
03.01.01.016	Knurl wheel Ø60-Ø76	0.545	(3)
03.01.01.015	Knurl wheel Ø89-Ø168	1.265	(4)
03.01.01.014	Knurl wheel Ø219-Ø325	1.415	(5)
03.01.01.026	Pinch roller Ø60-Ø168	0.885	(6)
03.01.01.025	Pinch roller Ø219-Ø325	0.85	(7)
09.02.032	Foot switch	1.2	(8)

*Reminding: Please select TWG-IVA if groove large number of 12 inch pipes



Optional Equipment

*For SCH10S SCH55 SCH10 SCH5 thin wall steel pipe

Art.No.	Description	N.W(kgs)
09.03.009	thin-wall knurl wheel Ø60-Ø76	0.55
09.03.010	thin-wall knurl wheel Ø89-Ø168	1.28
09.03.011	thin-wall knurl wheel Ø219-Ø325	1.43

TWG-IIA-P

ROLL GROOVING MACHINE

- This machine is designed for grooving 2"-12" plastic-lining steel pipe
- Unique integral hydraulic pump structure and adjustable stroke limitation device ensure easy, accurate and high performance working
- Equipped with result-oriented design of rollers ensure the plastic lining no damage after grooving operation

Specifications

Capacity
2"-12" (Ø 60-Ø 325) SCH30 plastic-lining steel pipes
Max. wall thickness: 8mm
(Excluding the thickness of plastic-lining)
Output RPM : 23rpm
G.W: 180kgs
Packaging size: 78x72x92(cm)



Art.No.	Phase	Voltage	Frequency
08.01.004.01	single phase	110/120/220/230/240V	50/60HZ
08.01.004.02	Three phase	220/380/415/440V	50/60HZ

Standard Equipment

*For SCH30 plastic-lining steel pipes

Art.No.	Description	N.W(kgs)	Ref No.
09.02.031	Pipe stand	18	(1)
03.01.04.004	Knurl wheel Ø60	0.535	(2)
03.01.04.19-1	Knurl wheel Ø73-Ø89	0.535	(3)
03.01.04.003	Knurl wheel Ø108-Ø140	2.485	(4)
03.01.04.001	Knurl wheel Ø159-Ø168	5.945	(5)
03.01.04.002	Knurl wheel Ø219-Ø325	5.71	(6)
03.01.04.010	Pinch roller Ø60-Ø168	1.065	(7)
03.01.04.011	Pinch roller Ø219-Ø325	1.075	(8)

TWG-IVA

ROLL GROOVING MACHINE

- This machine is designed for grooving 8"-24" steel pipe. It's specified tool for the connection of heavy duty couplings and grooved pipes.
- Equipped with new hydraulic pump and stroke limitation devices to make the depth of grooves more precisely and effectively
- Powered by high-performance gear reducing motor, equipped with the guide wheel unit ensures high quality grooves and high working efficiency
- Equipped with a foldable hydraulic steel pipe stand to make operation convenience and save labour

Specifications

Capacity
8"-24" (Ø 219-Ø 630) SCH40 steel pipe
Max. wall thickness: 13mm
Output RPM : 15rpm
G.W: 378kgs
Packaging size: 102x75x147(cm)



Art.No.	Phase	Voltage	Frequency
08.01.010	Three phase	220/380/415/440V	50/60HZ

Standard Equipment

*For SCH40 steel pipe

Art.No.	Description	N.W(kgs)	Ref No.
09.02.034	Pipe stand	55	(1)
03.01.06.020	Knurl wheel Ø219-Ø325	9	(2)
03.01.06.021	Knurl wheel Ø355-Ø426	8.675	(3)
03.01.06.022	Knurl wheel Ø457-Ø530	8.515	(4)
03.01.06.107	Knurl wheel Ø559-Ø630	8.6	(5)
03.01.06.015	Pinch roller Ø219-Ø325	1.29	(6)
03.01.06.016	Pinch roller Ø559-Ø630	1.32	(7)



TWG-IVZ

ROLL GROOVING MACHINE

Specifications

Capacity
8"-24" (Ø 219-Ø 630) SCH40 steel pipe
Max. wall thickness: 13mm
Output RPM : 15rpm
G.W: 767kgs
Packaging size: 107x85x168(cm)
98x98x63(cm)



Art.No.	Phase	Voltage	Frequency
08.01.012	Three phase	220/380/415/440V	50/60HZ

Standard Equipment

*For SCH40 steel pipe

Art.No.	Description	N.W(kgs)	Ref No.
09.02.036	Pipe stand	140	(1)
03.01.06.020	Knurl wheel Ø219-Ø325	9	(2)
03.01.06.021	Knurl wheel Ø377-Ø426	8.675	(3)
03.01.06.022	Knurl wheel Ø480-Ø630	8.515	(4)
03.01.06.015	Pinch roller Ø219-Ø530	1.29	(5)
03.01.06.016	Pinch roller Ø630	1.32	(6)
09.02.032	Foot switch	1.2	(7)

- This machine is designed for grooving 8"-24" steel pipe.
- Equipped with Automatic hydraulic control system and auto-feeding to improve the efficiency.
- Semi-automatic process, more precise grooves and more efficient.
- Designed auto delay function to make every single groove depth very precise.
- Equipped with solid wheels at the bottom of the machine, it is easy to transport in different building sites



TWG-VA-R

ROLL GROOVING MACHINE

Specifications

Capacity
1"-6" (Ø 33-Ø 168) SCH40 steel pipe
1"-6" (Ø 33-Ø 168) SCH10S SCH55 SCH10 SCH5 thin wall steel pipe
Max. wall thickness: 6mm
Output RPM : 23rpm
G.W: 96kgs
Packaging size: 95x53x65(cm)

- This machine is designed for grooving 1"-6" steel pipe.
- Simple design of the carriage, easy to be assembled and transported
- Equipped with integral hydraulic pump and stroke limitation device to control the depth of grooves precisely and effectively



Art.No.	Phase	Voltage	Frequency
08.01.021.01	Single phase	110/120/220/230/240V	50/60HZ
08.01.021.02	Three phase	220/380/415/440V	50/60HZ

Standard Equipment

*For SCH40 steel pipe

Art.No.	Description	N.W(kgs)	Ref No.
09.02.040	Pipe stand	6.5	(1)
03.01.11.002	Knurl wheel Ø33-Ø48	0.895	(2)
03.01.11.003	Knurl wheel Ø57-Ø89	1.1	(3)
03.01.11.004	Knurl wheel Ø108-Ø168	1.605	(4)
03.01.11.005	Pinch roller Ø33-Ø48	0.685	(5)
03.01.11.006	Pinch roller Ø57-Ø168	0.46	(6)

*Reminding: Please select TWG-9A if groove large number of 6 inch pipes

Optional Equipment

*For SCH10S SCH55 SCH10 SCH5 thin wall steel pipe

Art.No.	Description	N.W(kgs)
09.03.042	thin wall Knurl wheel Ø33-Ø48	1.65
09.03.043	thin wall Knurl wheel Ø57-Ø89	1.115
09.03.044	thin wall Knurl wheel Ø108-Ø168	1.995



Specifications

Capacity
1"-12" (Ø 33-Ø 325) SCH40 steel pipe
1"-12" (Ø 33-Ø 325) SCH10S SCH5S SCH10 SCH5 thin-wall steel pipe
Max. wall thickness: 10mm
Output RPM : 36rpm
G.W: 280kgs
Packaging size: 144x78x125(cm)



Standard Equipment

*For SCH40 steel pipe

Art.No.	Description	N.W(kgs)	Ref No.
09.02.042	Pipe stand	20	(1)
03.01.12.005	Knurl wheel Ø33-Φ48	2.54	(2)
03.01.12.006	Knurl wheel Φ60-Φ89	3.255	(3)
03.01.12.007	Knurl wheel Φ108-Φ168	3.775	(4)
03.01.12.008	Knurl wheel Φ219-Φ325	3.95	(5)
03.01.12.016	Pinch roller Φ33-Φ48	1.425	(6)
03.01.12.017	Pinch roller Φ60-Φ89	1.435	(7)
03.01.12.018	Pinch roller Φ108-Φ168	0.91	(8)
03.01.12.019	Pinch roller Φ219-Φ325	0.9	(9)

*Reminding: Please select TWG-IVA if groove large number of 12 inch pipes

TWG-VIA

ROLL GROOVING MACHINE

- This machine is designed for grooving 1"-12" steel pipe
- The taper knurl wheels can be changed very easily
- The unique foldable carriage allows the machine been folded and moved by one person
- The split-type hydraulic system coupled with foot switch enables safer and easier operation

TWG-VIIA

ROLL GROOVING MACHINE

- The new hydraulic pump system for quick feeding. Make the operation much more easily
- Different sized pinch rollers combined in one part, no need to undo the pinch rollers when grooving different sized pipes. Just by rotate the pinch roller part user can achieve the shift between different sized pinch rollers.
- Machine body equipped with quick lifting system, four wheels been controlled by one rod. It is very easy to move the machine

Specifications

Capacity
1"-12" (Ø 33-Ø 325) SCH40 steel pipe
1"-12" (Ø 33-Ø 325) SCH10S SCH5S SCH10 SCH5 thin-wall steel pipe
Max. wall thickness: 10mm
Output RPM : 36rpm
G.W: 250kgs
Packaging size: 117x76x155(cm)



Art.No.	Phase	Voltage	Frequency
08.01.023.01	Single phase	110/120/220/230/240V	50/60HZ
08.01.023.01	Three phase	220/380/415/440V	50/60HZ

Standard Equipment

*For SCH40 steel pipe

Art.No.	Description	N.W(kgs)	Ref No.
09.02.042	Pipe stand	20	(1)
03.01.13.004	Knurl wheel Φ33-Φ48	1.215	(2)
03.01.13.003	Knurl wheel Φ60-Φ168	1.59	(3)
03.01.13.002	Knurl wheel Φ219-Φ325	2.37	(4)
03.01.13.021	Pinch roller Φ33-Φ48	0.41	(5)
03.01.13.020	Pinch roller Φ60-Φ168	0.48	(6)
03.01.13.019	Pinch roller Φ219-Φ325	0.525	(7)

Optional Equipment

*For SCH10S SCH5S SCH10 SCH5 thin wall steel pipe

Art.No.	Description	N.W(kgs)
09.03.051	thin-wall Knurl wheel Φ33-Φ48	1.215
09.03.050	thin-wall Knurl wheel Φ60-Φ168	1.62
09.03.049	thin-wall Knurl wheel Φ219-Φ325	2.415

TWG-8A ROLL GROOVING MACHINE

Art.No.	Phase	Voltage	Frequency
08.01.024	Three phase	220/380/415/440V	50/60HZ

Standard Equipment

*For SCH40 steel pipe

Art.No.	Description	N.W(kgs)
03.01.18.003	Knurl wheel 50" -60"	12.7
03.01.18.002	Knurl wheel 40" -48"	12.7
03.01.18.001	Knurl wheel 26" -38"	12.7
03.01.18.008	Pinch roller 50" -60"	6.3
03.01.18.007	Pinch roller 40" -48"	6.3
03.01.18.006	Pinch roller 26" -38"	6.3

- This machine is designed for grooving 18" - 60 " steel pipe.
- Automatic hydraulic system, automatic feed, automatic reset through the entire process which will increase working efficiency
- With solid and adjustable base, can adjust the height according to pipe size in order to get different center height, very suitable for grooving large diameter pipe

Specifications

Capacity

18"-60"(Ø 457-Ø 1524) steel pipe

Max. wall thickness: 12mm

Output RPM : 15rpm

G.W: 1300kgs

Packaging size: 240x100x273(cm)



TWG-9A ROLL GROOVING MACHINE

Art.No.	Phase	Voltage	Frequency
03.01.026.01	Single phase	110/120/220/230/240V	50/60HZ
03.01.026.02	Three phase	220/380/415/440V	50/60HZ

Standard Equipment

*For SCH40 steel pipe

Art.No.	Description	N.W(kgs)	Ref No.
09.02.051	Pipe stand	6.5	(1)
03.01.14.001	Knurl wheel Ø33-Ø48	1.55	(2)
03.01.14.002	Knurl wheel Ø57-Ø89	1.195	(3)
03.01.14.003	Knurl wheel Ø108-Ø168	1.775	(4)
03.01.14.004	Knurl wheel Ø219	1.635	(5)
03.01.14.016	Pinch roller Ø33-Ø48	1.12	(6)
03.01.14.015	Pinch roller Ø57-Ø168	0.76	(7)
03.01.14.014	Pinch roller Ø219	0.665	(8)

- The new model of roll grooving machine TWG - 9A, including working capacity of TWG-III A, TWG-VA and TWG-VA-R, it is more efficient and stable
- Equipped with stronger power and make rollers change quick and simple
- Equipped with the new designed folding carriage, it is simple to assemble and move it

Specifications

Capacity

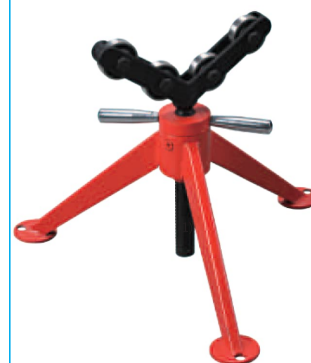
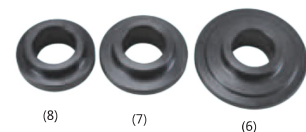
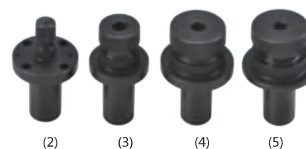
1"-8"(Ø 33-Ø 219)SCH40 steel pipe

Max. wall thickness: 8mm

Output RPM : 23rpm

G.W: 100kgs

Packaging size: 76x44x72cm



TWG-11A ROLL GROOVING MACHINE

- This machine is a portable manual grooving machine
- Equipped with unique knurl wheels for grooving 3/4"-8" pipe
- Allow to be mounted to a RIDGID 300 power drive

Specifications

Capacity
3/4"-8" (Ø 27-Ø 219)SCH40 steel pipe
Max. wall thickness: 6mm
G.W: 19.5kgs
Packaging size: 42x19x36cm



(1)

Standard Equipment

*For SCH40 steel pipe

Art.No.	Description	N.W(kgs)	Ref No.
08.01.030	Machine	10	(1)
03.01.19.004	Knurl wheel Ø27-Ø33	0.4	(2)
03.01.19.005	Knurl wheel Ø42-Ø48	0.5	(3)
03.01.19.006	Knurl wheel Ø60-Ø168	0.7	(4)
03.01.19.007	Knurl wheel Ø219	0.8	(5)
03.01.19.001	Pinch roller Ø27-Ø48	0.1	(6)
03.01.19.002	Pinch roller Ø60-Ø168	0.12	(7)
03.01.19.003	Pinch roller Ø219	0.12	(8)

(2)

(3)

(4)

(5)

(6)

(7)

(8)

(9)

TWG-16A ROLL GROOVING MACHINE

- Roll set with "Interlock" structure, to ensure A dimension accurately.
- Equipped with semi-automatic oil pump, to make it more efficient.
- Cart design, to make it easy to move and provide space to place roll sets inside.



(9)

(8)

(7)

(6)

(10)

(11)



(2)

(3)

(4)

(5)

Art. No	Phase	Voltage	Frequency
08.02.01.030.01	Single phase	220/230/240V	50/60Hz

Reminding: Please select TWG-1VZ if groove large number if 12 inch pipe.

Specifications

Capacity
1"-12" (Ø 33-Ø 325)SCH40 steel pipe
1"-12" (Ø 33-Ø 325)SCH105 SCH55 SCH10 SCH5 thin-wall steel pipe
Max. wall thickness: 8 mm
Output RPM : 31 rpm
G.W: 255kgs
Packaging size: 122 X 102 X 86 (cm)



(1) Pipe stand

Foot switch

Standard Equipment

*For SCH40 steel pipe

Art. No	Description	N.W(kgs)	Ref No.
04.04.010	Pipe stand	20	(1)
03.01.29.003	Pinch roller 1-1.5"	4.16	(2)
03.01.29.004	Pinch roller 2-3.5"	3.64	(3)
03.01.29.005	Pinch roller 4-6"	1.74	(4)
03.01.29.006	Pinch roller 8-12"	1.69	(5)
03.01.29.008	Knurl wheel 1-1.5"	0.39	(6)
03.01.29.010	Knurl wheel 2-3.5"	1.97	(7)
03.01.29.012	Knurl wheel 4-6"	2.51	(8)
03.01.29.014	Knurl wheel 8-12"	2.56	(9)
03.01.29.034	Adaptor 1-1.5"	1.19	(10)
03.01.29.035	Adaptor 4-12"	1.87	(11)

TWG-15A

FITTING GROOVING MACHINE

- This machine is designed for grooving stainless steel and carbon steel elbows and T-fittings.
- Vertical processing make the operation more convenient, grooves more precise.
- Special Knurl wheels for grooving different angled elbows which without straight ends
- The integrative design of power system and hydraulic system

Specifications

Capacity
1.5"-12" (Ø48-Ø325) SCH5~SCH20 elbows and T-fitting
Max. wall thickness: 6.35mm
Output RPM : 8~24 rpm
G.W: 1500 kgs
Packaging size: 185X105X160 (cm)



Art.No.	Phase	Voltage	Frequency
08.02.01.024	Three phase	220/240/380/415/440V	50/60Hz

Standard Equipment

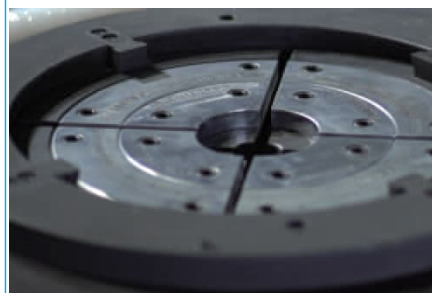
Art.No.	Description
12.12.038	Knurl wheel Φ48
12.12.039	Knurl wheel Φ60-Φ76
12.12.040	Knurl wheel Φ89
12.12.041	Knurl wheel Φ101-Φ127
12.12.042	Knurl wheel Φ141-Φ168
12.12.043	Knurl wheel Φ219-Φ325
12.12.049	Pinch roller Φ48
12.12.050	Pinch roller Φ60-Φ168
12.12.051	Pinch roller Φ219-Φ325

TWGZ-2

ADJUSTING MACHINE

Specifications

Capacity
1.5"-12" (Ø48-Ø325) SCH5~SCH20 elbows and T-fitting
Max. wall thickness: 6.35mm
G.W: 1250 kgs
Packaging size: 145X90X110 (cm)



Art.No.	Phase	Voltage	Frequency
08.02.08.001	Three phase	240/415V	50/60Hz

Standard Equipment

Art.No.	Description
12.09.102	Molds Φ323.9
12.09.103	Molds Φ318.5
12.09.104	Molds Φ273
12.09.105	Molds Φ267.4
12.09.106	Molds Φ219.1
12.09.107	Molds Φ216.3
12.09.108	Molds Φ168.3
12.09.109	Molds Φ165.1
12.09.110	Molds Φ139.7
12.09.111	Molds Φ114.3
12.09.112	Molds Φ88.9
12.09.113	Molds Φ76.1
12.09.114	Molds Φ73
12.09.115	Molds Φ60.3
12.09.116	Molds Φ48.3
12.09.117	Mold fixing ring 4"-6"
12.09.118	Mold fixing ring 1-1/2"-3"

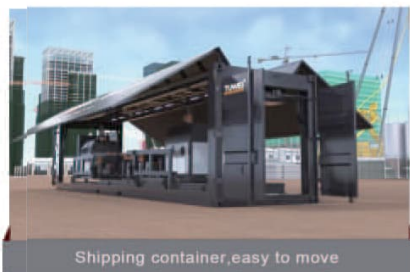
TWXL1.5-12A

GROOVING PRODUCTION LINE

- This is a grooving production line for pipe mills to make piping prefabrication.
- This grooving production line can be loaded in one container, it is easy to transport the production line between different jobsites.
- Within one minute, you can get 1pc 4inch pipe grooved.
- Equipped with magnetic grid ruler, make the groove more accurate.
- Interlocking rolls designed, make the groove more standard.
- PLC control system, make the operation more convenient.

Specifications

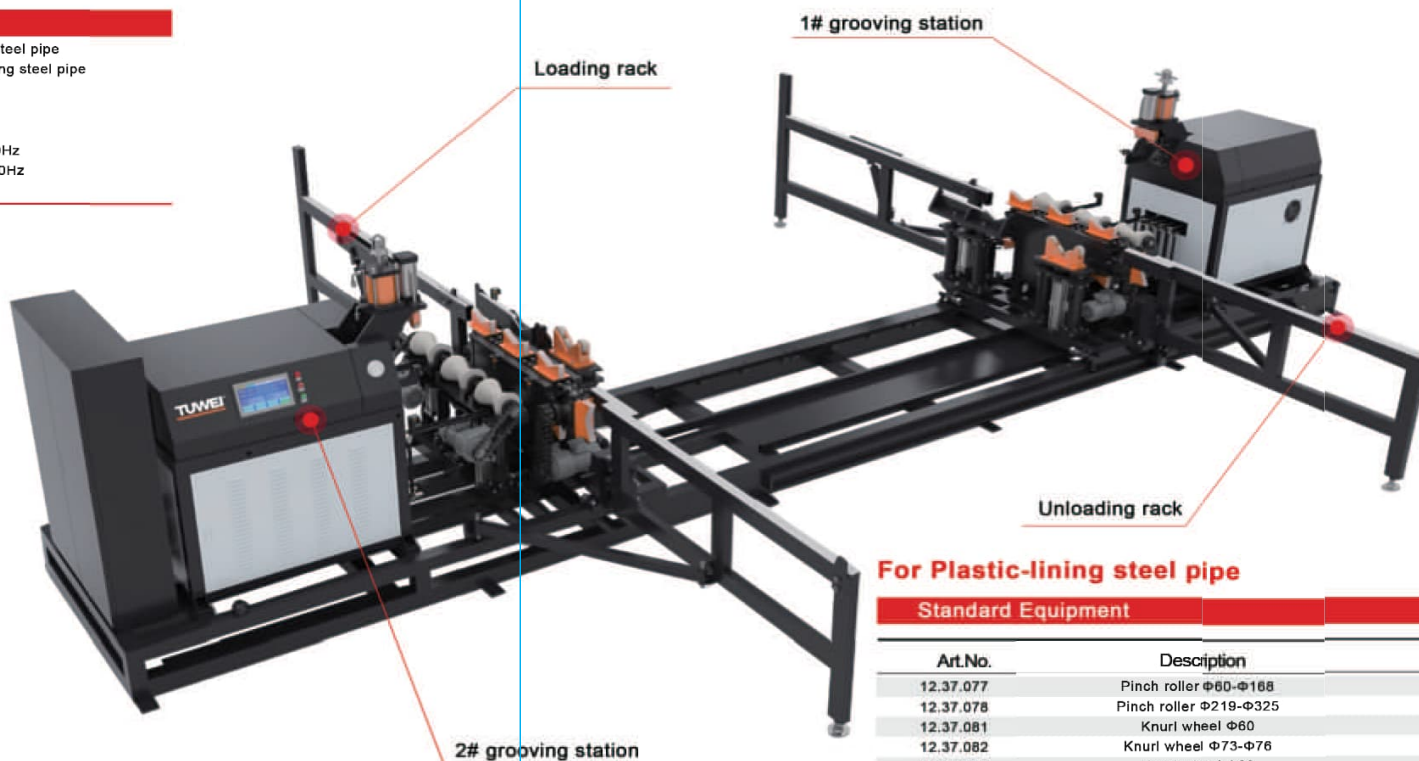
Capacity:	1.5"-12" (Φ48-Φ325) carbon steel pipe 2"-12" (Φ60-Φ325) plastic-lining steel pipe
Max. wall thickness:	10mm
pipe length:	2.8-6m
Max. oil pump pressure:	8Mpa
Main shaft motor:	Three phase 380V 1.5kw 50Hz
oil pump motor:	Three phase 380V 1.5kw 50Hz
Dimension:	9X6.1(m)



Shipping container, easy to move



Movable grooving unit, wider applicability



For Carbon steel pipe

Standard Equipment	
Art.No.	Description
12.34.011	Pinch roller Φ48
12.34.012	Pinch roller Φ60-Φ168
12.34.013	Pinch roller Φ216-Φ325
12.34.015	Knurl wheel Φ48
12.34.016	Knurl wheel Φ60-Φ76
12.34.017	Knurl wheel Φ89-Φ114
12.34.018	Knurl wheel Φ139-Φ168
12.34.019	Knurl wheel Φ216-Φ325

1# grooving station

Loading rack

Unloading rack

2# grooving station

For Plastic-lining steel pipe

Standard Equipment	
Art.No.	Description
12.37.077	Pinch roller Φ60-Φ168
12.37.078	Pinch roller Φ219-Φ325
12.37.081	Knurl wheel Φ60
12.37.082	Knurl wheel Φ73-Φ76
12.37.083	Knurl wheel Φ89
12.37.084	Knurl wheel Φ114
12.37.085	Knurl wheel Φ139
12.37.086	Knurl wheel Φ168
12.37.087	Knurl wheel Φ219-325

TWXL3-2-12A

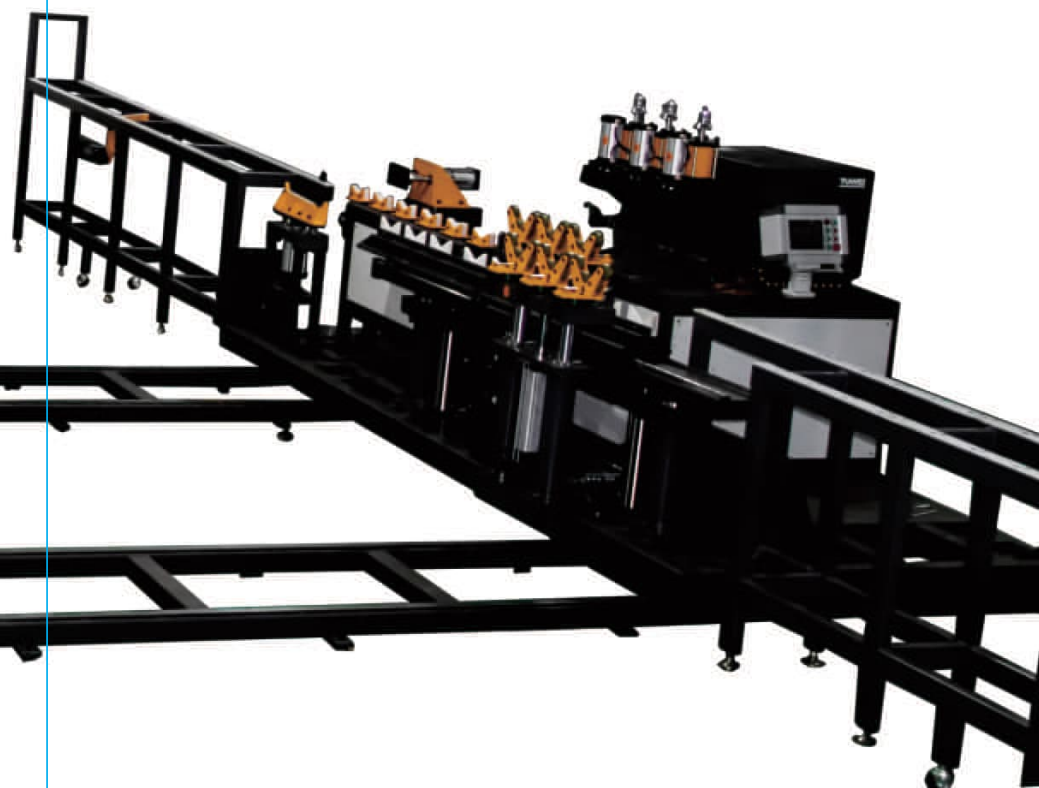
GROOVING PRODUCTION LINE

- This is a grooving production line for pipe mills to make piping prefabrication.
- Within one minute, you can get 3pcs 4inch pipe grooved.
- Equipped with magnetic grid ruler, make the groove more accurate.
- Interlocking rolls designed, make the groove more standard.
- PLC control system, make the operation more convenient.



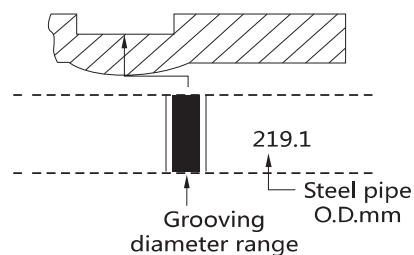
Specifications

Capacity:	2"-12" (Φ60-Φ325) carbon steel pipe, stainless steel pipe and plastic-lining steel pipe
Max. wall thickness:	9.5mm
Pipe length:	2-6.1M
Max. oil pump pressure:	8Mpa
Main shaft motor:	Three phase 380V 1.5kW 50Hz
Oil pump motor:	Three phase 380V 7.5kW 50Hz
Dimension:	13.2 X 9 (M)



π Ruler

π ruler is a tool to measure the diameter of circular pipe in a simple, easy and accurate way. π ruler is very useful in checking the depth of a groove. π ruler is a necessity for pipe installation.



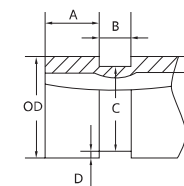
Drilling position indicator

- This position indicator is suitable for square drilling operation. Ensure 2 holes are in the same level of surface.
- With magnetism "V" type pointer, can locate the center of the hole.

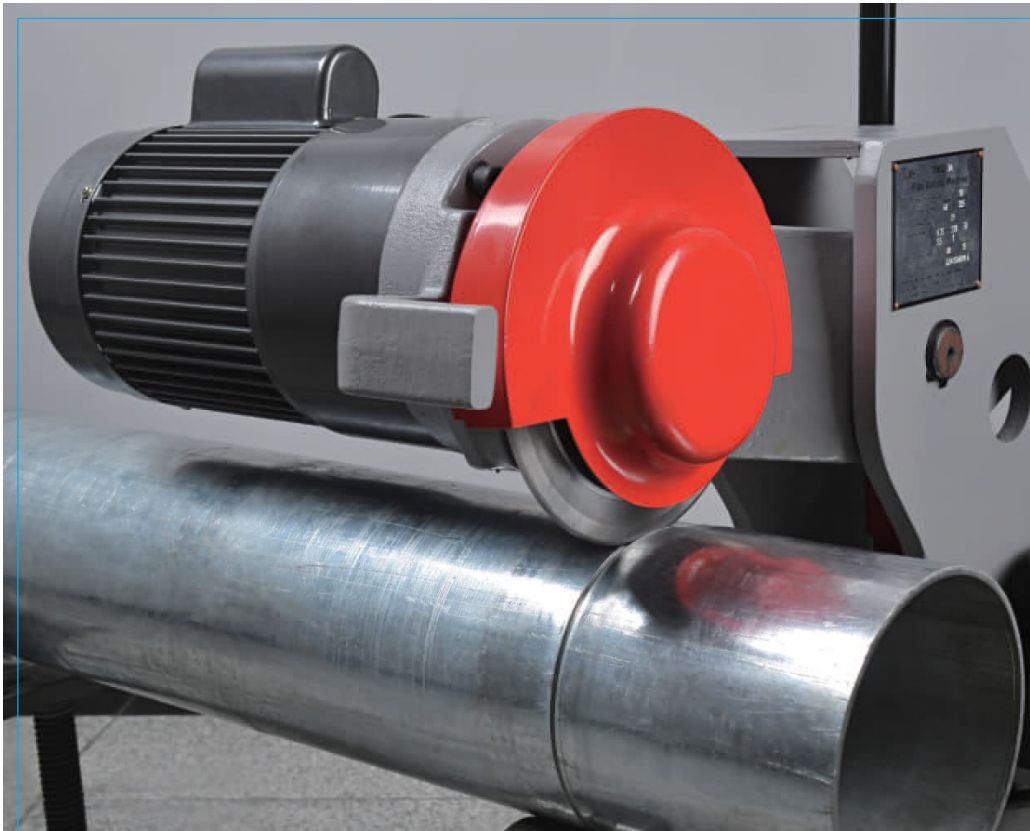


GROOVE DIMENSIONS

Pipe Outside Dia. O. D	Gasket Seat A±0.76	Groove Width B±0.76	Groove Dia. - C		Groove Depth D	Min.Allow. Wall Thk. T	Max.Allow. Flare Dia.
			Basic	Tol.+0.00			
33.4	15.88	7.14	30.23	-0.38	1.60	1.65	36.3
42.2	15.88	7.14	38.99	-0.38	1.60	1.65	45.0
48.3	15.88	7.14	45.09	-0.38	1.60	1.65	51.1
60.3	15.88	8.74	57.15	-0.38	1.60	1.65	63.0
73.0	15.88	8.74	69.09	-0.46	1.98	2.11	75.7
76.1	15.88	8.74	72.26	-0.46	1.98	2.11	78.7
88.9	15.88	8.74	84.94	-0.46	1.98	2.11	91.4
101.6	15.88	8.74	97.38	-0.51	2.11	2.11	104.1
108.0	15.88	8.74	103.73	-0.51	2.11	2.11	110.5
114.3	15.88	8.74	110.08	-0.51	2.11	2.11	116.8
127.0	15.88	8.74	122.78	-0.51	2.11	2.41	129.5
133.0	15.88	8.74	129.13	-0.51	2.11	2.77	135.9
139.7	15.88	8.74	135.48	-0.51	2.11	2.77	142.2
141.3	15.88	8.74	137.03	-0.56	2.13	2.77	143.8
152.4	15.88	8.74	148.08	-0.56	2.16	2.77	154.9
159.0	15.88	8.74	154.68	-0.56	2.16	2.77	161.3
165.1	15.88	8.74	160.78	-0.56	2.16	2.77	167.6
168.3	15.88	8.74	163.96	-0.56	2.16	2.77	170.9
203.2	19.05	11.91	198.53	-0.64	2.34	2.77	207.5
216.3	19.05	11.91	211.60	-0.64	2.34	2.77	220.7
219.1	19.05	11.91	214.40	-0.64	2.34	2.77	223.5
254.0	19.05	11.91	249.23	-0.69	2.39	3.40	258.3
267.4	19.05	11.91	262.60	-0.69	2.39	3.40	271.8
273.0	19.05	11.91	268.28	-0.69	2.39	3.40	277.4
304.8	19.05	11.91	299.24	-0.76	2.77	3.96	309.1
318.5	19.05	11.91	312.90	-0.76	2.77	3.96	322.8
323.9	19.05	11.91	318.29	-0.76	2.77	3.96	328.2
355.6	23.83	11.91	350.04	-0.76	2.77	3.96	359.7
377.0	23.83	11.91	371.12	-0.76	2.94	4.50	381.0
381.0	23.83	11.91	375.44	-0.76	2.77	4.19	285.1
406.4	23.83	11.91	400.84	-0.76	2.77	4.19	410.5
426.0	23.83	11.91	419.46	-0.89	3.27	4.50	430.0
457.0	25.40	11.91	451.64	-0.76	2.77	4.19	461.3
480.0	25.40	11.91	473.10	-0.89	3.45	6.00	484.1
508.0	25.40	11.91	502.44	-0.76	2.77	4.78	512.1
530.0	25.40	11.91	522.53	-0.89	3.73	6.00	534.2
559.0	25.40	12.70	550.06	-0.76	4.37	4.78	563.9
610.0	25.40	12.70	600.86	-0.76	4.37	5.54	614.7
630.0	25.40	12.70	621.26	-0.89	4.37	7.00	635.0



The grooved pipe ends



PIPE CUTTING MACHINE

TWQ-III A	30
TWQ-IV A	31
TWQ-VA	32
TWQ-VIA	33
TWQ-VII A	34
TWQ-8A	35

TWQ-III A PIPE CUTTING MACHINE

- Cold extrusion process design, no sparks, dusts and metal chips appear during cutting operation
- The patented oil pump is specially designed to shorten the idle stroke and reduce the working time.
- Equipped with wheels for moving the machines easily

Specifications

Capacity
2"-12" (Ø 60-Ø 325) SCH40 steel pipe
Max. wall thickness: 10mm
Output RPM : 23rpm
G.W: 143kgs
Packaging size: 72×69×97(cm)



(1)



(2)

Art.No.	Phase	Voltage	Frequency
08.02.002.01	Single phase	110/120/220/230/240V	50/60HZ
08.02.002.02	Three phase	220/380/415/440V	50/60HZ

Standard Equipment

*For SCH40 steel pipe

Art.No.	Description	N.W(kgs)	Ref No.
09.02.046	Pipe stand	14	(1)
03.02.01.014	Alloy blade	1.3	(2)



TWQ-IVA

PIPE CUTTING MACHINE

- Cold extrusion process design, no sparks , dusts and metal chips appear during cutting operation
- The patented oil pump is specially designed to shorten the idle stroke and reduce the working time.
- Equipped with wheels for moving the machines easily

Specifications

Capacity
6"-16" (Ø 168-Ø 426)SCH40 steel pipe
Max. wall thickness: 12mm
Output RPM : 23rpm
G.W: 180kgs
Packaging size: 83×78×108cm

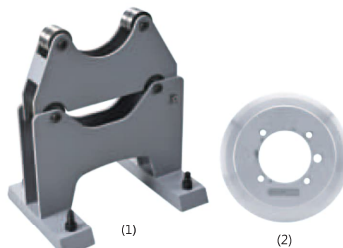


Art.No.	Phase	Voltage	Frequency
08.02.005.01	Single phase	110/120/220/230/240V	50/60HZ
08.02.005.02	Three phase	220/380/415/440V	50/60HZ

Standard Equipment

*For SCH40 steel pipe

Art.No.	Description	N.W(kgs)	Ref No.
09.02.047	Pipe stand	26.5	(1)
03.02.01.014	Alloy blade	1.3	(2)



TWQ-VA

PIPE CUTTING MACHINE

- Cold extrusion process design, no sparks , dusts and metal chips appear during cutting operation
- The patented oil pump is specially designed to shorten the idle stroke and reduce the working time
- This machine is designed for cutting 2"-8" steel pipes. With very small and light body which is easy to be transported

Specifications

Capacity
2"-8" (Ø 60-Ø 219)SCH40 steel pipe
Max. wall thickness: 8mm
Output RPM : 23rpm
G.W: 87kgs
Packaging size: 64×60×71(cm)

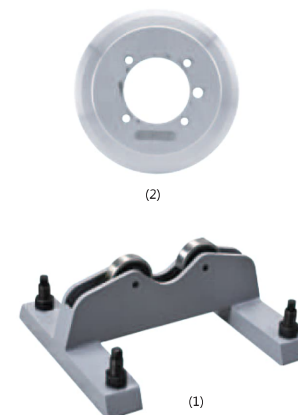


Art.No.	Phase	Voltage	Frequency
08.02.008.01	Single phase	110/120/220/230/240V	50/60HZ
08.02.008.02	Three phase	220/380/415/440V	50/60HZ

Standard Equipment

*For SCH40 steel pipe

Art.No.	Description	N.W(kgs)	Ref No.
09.02.048	Pipe stand	6	(1)
03.02.01.014	Alloy blade	1.3	(2)



TWQ-VIA

PIPE CUTTING MACHINE



- This machine is designed for cutting 3/8"-2" steel pipe, very high efficiency which can cut off a steel pipe within a few seconds
- the knurl roller is designed with a saw-blade to remove the burrs of pipe ends

Specifications

Capacity
3/8"-2" (Ø 16-Ø 60) SCH40 steel pipe
Max. wall thickness: 4mm
Output RPM : 105rpm
G.W: 55kgs
Packaging size: 33×37×66(cm)



Art.No.	Phase	Voltage	Frequency
08.02.011.01	Single phase	110/120/220/230/240V	50/60HZ
08.02.011.02	Three phase	220/380/415/440V	50/60HZ

Standard Equipment

*For SCH40 steel pipe

Art.No.	Description	N.W(kgs)	Ref No.
03.02.04.020	Alloy blade	0.22	(1)

TWQ-VIIA

PIPE CUTTING MACHINE

- This machine is designed to cut the thin wall 3/8"-2" stainless steel and carbon steel pipe.
- Powered with new permanent magnet brushless motor. Adjustable rotate speed is available for different pipes
- Humanized design, small body, light and easy to operate



Specifications

Capacity
3/8"-2" (Ø 16-Ø 60) SCH10 SCH10S SCH5 SCH5S pipes
Max. wall thickness: SCH10 SCH5 3mm
SCH10S SCH5S 2mm
Output RPM : 0-850rpm
G.W: 31kgs
Packaging size: 38×42×48(cm)



Art.No.	Phase	Voltage	Frequency
08.02.013.01	Single phase	110/120/220/230/240V	50/60HZ
08.02.013.02	Three phase	220/380/415/440V	50/60HZ

Standard Equipment

*For SCH10 SCH10S SCH5 SCH5S stainless steel & steel pipes

Art.No.	Description	N.W(kgs)	Ref No.
09.02.049	Pipe stand	2.5	(1)
03.02.05.029	Blade	0.03	(2)

TWQ-8A

PIPE CUTTING MACHINE

- Cold extrusion process design, no sparks , dusts and metal chips appear during cutting operation
- The patented oil pump is specially designed to shorten the idle stroke and reduce the working time
- Equipped with wheels for moving the machines easily

Specifications

Capacity
8"-20" (Ø 219-Ø 530)SCH40 steel pipe
Max. wall thickness: 12mm
Output RPM : 23rpm
G.W: 190kgs
Packaging size: 87×82×122(cm)

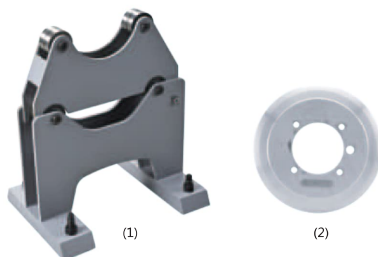


Art.No.	Phase	Voltage	Frequency
08.02.006.01	Single phase	110/120/220/230/240V	50/60HZ
08.02.006.02	Three phase	220/380/415/440V	50/60HZ

Standard Equipment

*For SCH40 steel pipe

Art.No.	Description	N.W(kgs)	Ref No.
09.02.047	Pipe stand	26.5	(1)
03.02.01.014	Alloy blade	1.3	(2)



HOLE CUTTING MACHINE

TWK-III A

37

TWK-VA

38

HOLE SAW

39

Specifications

Capacity
 1"-4" (Ø 25-Ø 114) holes
Max hole dia: 114mm
Max wall thickness: 10mm
Output RPM : 110rpm
G.W: 26kgs
Packaging size: 32×32×64(cm)



Art.No.	Phase	Voltage	Frequency
08.03.003.01	Single phase	110/120/220/230/240V	50/60HZ
08.03.003.02	Three phase	220/380/415/440V	50/60HZ

Standard Equipment

*For SCH40 steel pipe

Art.No.	Description	N.W(kgs)	Ref No.
09.02.029	Tightening chain	0.9	(1)

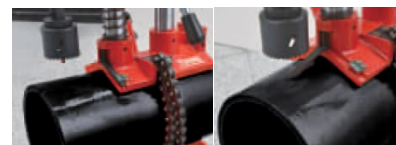
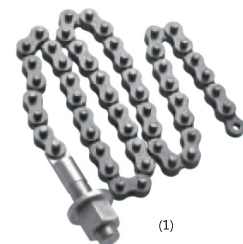
TWK-VA

HOLE CUTTING MACHINE

- This machine is designed for drilling holes on plastic pipe, plastic-lining steel pipes and steel pipes. The max diameter of steel pipe is 8 inch and the max hole is 4 inch
- Simple detachable design, especially suitable for working on the corners of the job site.
- Gradienter attached, pointer can indicate the drilling position which will be very efficient

Specifications

Capacity
 1"-4" (Ø 25-Ø 114) holes
Max hole dia: 114mm
Max. wall thickness: 10mm
Output RPM : 120-250rpm
G.W: 17.2kgs
Packaging size: 43×38×28cm



Art.No.	Phase	Voltage	Frequency
08.03.005.01	Single phase	220/230/240V	50/60HZ

Standard Equipment

*For SCH40 steel pipe

Art.No.	Description	N.W(kgs)	Ref No.
09.02.030	Tightening chain	0.8	(1)



HOLE SAW

HOLE CUTTING TOOL

● The blade of this Saw is made of M42. The dual-metal structure and 4 & 6 alterable teeth allow quick and stable cutting and ensure an extended service life. Fit for drilling holes of 25mm-114mm diameter on stainless steel pipes and medium-carbon pipes.

Diameter

mm	mm	mm
25	48	76
27	50	79
29	51	80
30	52	81
31	54	83
32	57	85
33	59	86
35	60	89
37	61	90
38	62	92
39	63	95
40	64	98
41	65	100
42	67	102
43	68	105
44	70	108
45	73	111
46	75	114

● The speed will vary according to the condition of cutting different kinds of materials.



PIPE THREADING MACHINE

TWT-1T100A	41
TWT-1T50	42
TWT-1T50B	43
TWT-1T50C	44
TWT-I	45
TWT-II	46
TWT-III	47
TWT-IV	48

TWT-1T100A

Automatic Pipe Threading Machine

- Main shaft driven by servo motor continuously variable.
- Recognize the pipes diameters intelligently.
- Adjusting and calibrating threading dies automatically.
- Perfect threads ,high qualification rate,low wastage.
- Easy to install, use, maintain and move.
- High work efficiency,Long using life Dies.



Specification

Capacity:	1/2"-4" Pipes
Motor of the hydraulic station:	3 phase 380V,1500W
Rpm:	100
G.W:	1900KGS
Packing size:	220X90X145cm

1T50

PIPE THREADING MACHINE

- This machine is designed to cut threads on 1/2"-2" pipes. It's very easy to operate. Can make the ends of the pipes very smooth when cutting threads
- Casting body with large module gear box which is very stable and light

Specifications

Capacity:1/2"-2"
Power:1.8kw
Output RPM:20 rpm/40 rpm
G.W:120kg
Packaging size:122x77x53cm

Standard equipment:

Cart	1 set	image(1)
Machine	1 set	image(2)
Cutting frame	1 set	image(3)
Reamer	1 set	image(4)
Dies 1/2"-3/4", 1"-2"	1 set	image(5)
Dynamic system	1 set	image(6)
Die head	1 set	image(7)

Note: Available format of dies:NPT/BSPT



(1)



(2)



(3)



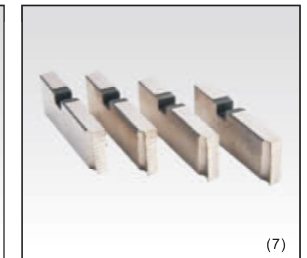
(4)



(5)



(6)



(7)

TWT-1T50B

Pipe Threading Machine

- This machine is designed for 1/2"-2" threading, cutting, reaming.
- Equipped with PMSM, high power but low noise.
- High and low speeds for more convenient operation.
- Manual die heads and self-opening die heads are available for selection.
- HSS dies, long life, more durable.



Specification

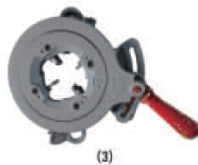
Capacity:	1/2"-2" carbon steel pipe, stainless steel pipe
Motor power:	1.8KW
Output rpm:	Fast 40RPM Slow 20RPM
G.W:	77KGS
Packing size:	860X550X650(mm)



(1)



(2)



(3)



(4)

Standard Equipment

Art.No	Description	
04.08.017	Manual die head	(3)
04.08.016	Cutter	(2)
04.08.019	Reamer	(4)
03.04.02.202	BSPT dies 1/2-3/4"	(1)
03.04.02.203	BSPT dies 1-2"	(1)

Optional Equipment

Art.No	Description	
04.08.005	Self-opening die head	
03.04.02.200	NPT dies 1/2-3/4"	
03.04.02.201	NPT dies 1-2"	

1T50C

PIPE THREADING MACHINE

- This machine is designed to cut threads on 1/2"-2" pipes. It's very easy to operate. Can make the ends of the pipes very smooth when cutting threads.
- Casting body with large module gear box which is very stable and light.

Specifications

Capacity:	1/2"-2"
Power:	0.75kw
Output RPM :	31rpm
G.W:	77kgs
Packaging size:	74x48x58(cm)

Standard equipment:

Cutting frame	1 set	image (1)
Die head	1 set	image (2)
Reamer	1 set	image (3)
Dies 1/2"-3/4", 1"-2"	1set for each size	image (4)

Note: Available format of dies: NPT/BSPT



(1)



(2)



(3)



(4)

TWT-I

PIPE THREADING MACHINE

- This machine is designed to cut threads on 1/2"-2" pipes. It's very easy to operate. Can make the ends of the pipes very smooth when cutting threads.
- Casting body with large module gear box which is very stable and light.

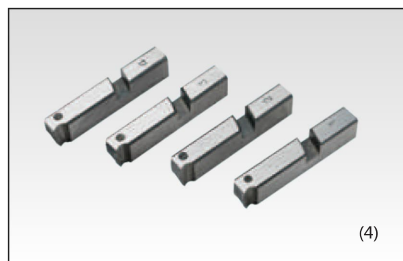
Specifications

Capacity: 1/2"-2"
 Power: 0.75kw
 Output RPM : 31rpm
 G.W: 77kgs
 Packaging size: 74x48x58(cm)

Standard equipment:

Cutting frame	1 set	image (1)
Die head	1 set	image (2)
Reamer	1 set	image (3)
Dies 1/2"-3/4", 1"-2"	1set for each size	image (4)

Note: Available format of dies: NPT/BSPT



TWT-II

PIPE THREADING MACHINE

- This machine is designed to cut threads on 2 1/2"-3" pipes. It's very easy to operate. Make the ends of the pipes very smooth when cutting threads.
- With aluminum machine body. Very small size and easily to be moved.

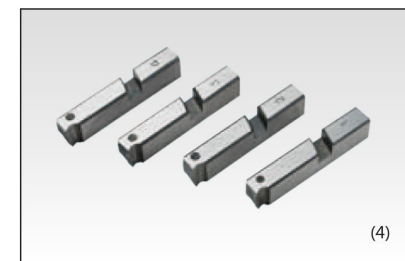
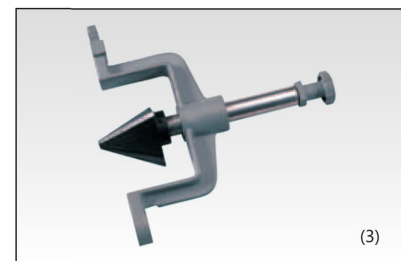
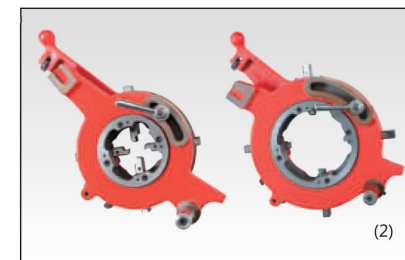
Specifications

Capacity: 1/2"-3"
 Power: 0.75kw
 Output RPM : Slow 14 rpm; Quick 24rpm
 G.W: 125kgs
 Packaging size: 92x61x56(cm)

Standard equipment:

Cutting frame	1 set	image (1)
Die head	1set for 1/2"-2", 1set for 2 1/2"-3"	image (2)
Reamer	1 set	image (3)
Dies 1/2"-3/4", 1"-2", 2 1/2"-3"	1set for each size	image (4)

Note: Available format of dies: NPT/BSPT



TWT-III

PIPE THREADING MACHINE

- This machine is designed to cut threads on 1/2"-4" pipes. It's very easy to operate. Make the ends of the pipes very smooth when cutting threads.
- The base is casting aluminum. With large module gear box and heavy expansion chuck.
- Machine is very strong and stable. Very suitable for heavy duty projects.

Specifications

Capacity: 1/2"-4"

Power: 0.75kw

Output RPM : Slow 9 rpm; Quick 26rpm

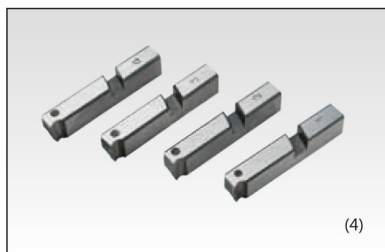
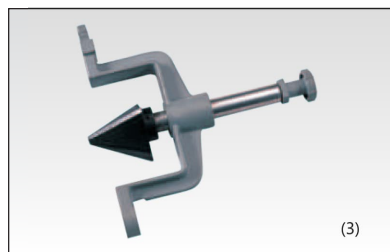
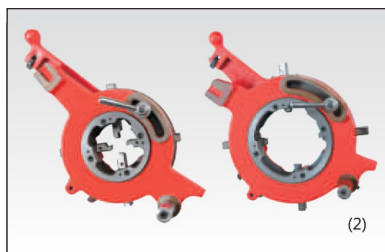
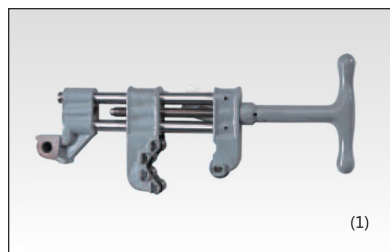
G.W: 196kgs

Packaging size: 107×72×70(cm)

Standard equipment:

Cutting frame	1 set	image (1)
Die head	1/2"-2", 2 1/2"-4"	1set for each size image (2)
Reamer	1 set	image (3)
Dies	1/2"-3/4", 1"-2", 2 1/2"-4"	1set for each size image (4)

Note: Available format of dies: NPT/BSPT



TWT-IV

PIPE THREADING MACHINE

- This machine is designed to cut threads on 2 1/2"-6" pipes. It's very easy to operate. Make the ends of the pipes very smooth when cutting threads.
- The base is casting aluminum. With large module gear box and heavy expansion chuck.
- Machine is very strong and stable. Very suitable for heavy duty projects.

Specifications

Capacity: 2 1/2"-6"

Power: 0.75kw

Output RPM : Slow 6.5 rpm; Quick 14rpm

G.W: 236kgs

Packaging size: 117×76×76(cm)

Standard equipment:

Cutting frame	1 set	image (1)
Die head	2 1/2"-4", 5"-6"	1set for each size image (2)
Reamer	1 set	image (3)
Dies	2 1/2"-4", 5"-6"	1set for each size image (4)

Note: Available format of dies: NPT/BSPT

