

TORNO JODA MICRO



1. Special cell execution

A sliding door with actinic glass automatically starts work cycle and the hood overhead can be connected to a fumes aspirator. Digital connection of CNC to power source allows ruling the whole process.

Rotation of both headstock and tailstock are motorized and synchronized, the tailstock being also provided of axial stroke driven by pneumatic cylinder, thus allowing the edge-to-edge welding without any stitching.



2. JODA MICRO with rotating fixture

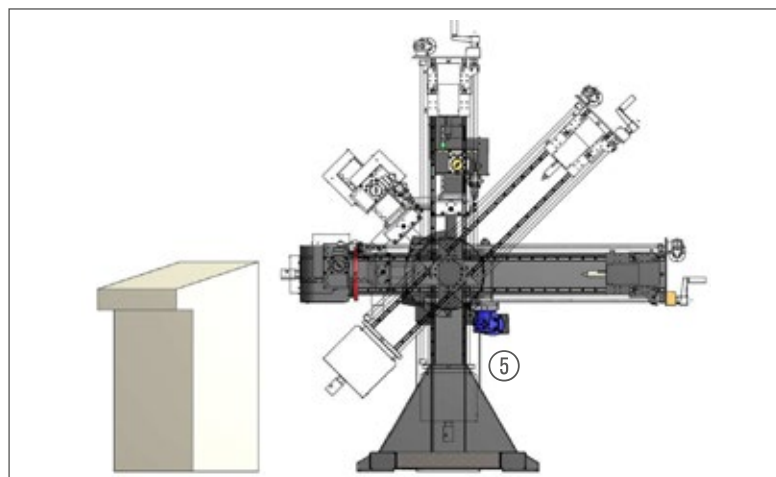
JDMCR.ST Module allows rotating the whole assembly of headstock – beam – tailstock – torch holder without modifying the alignment of any component.



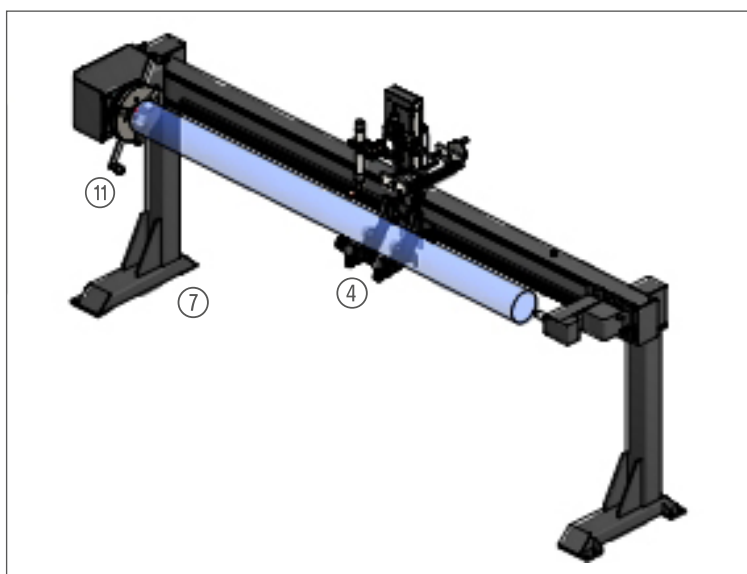
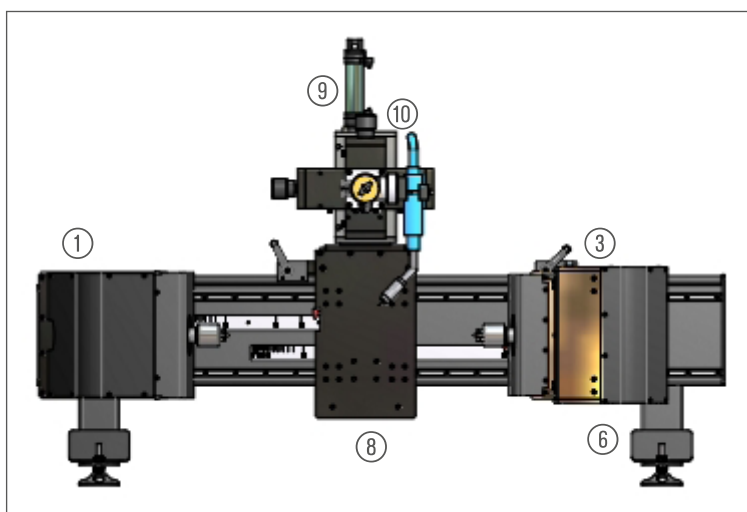
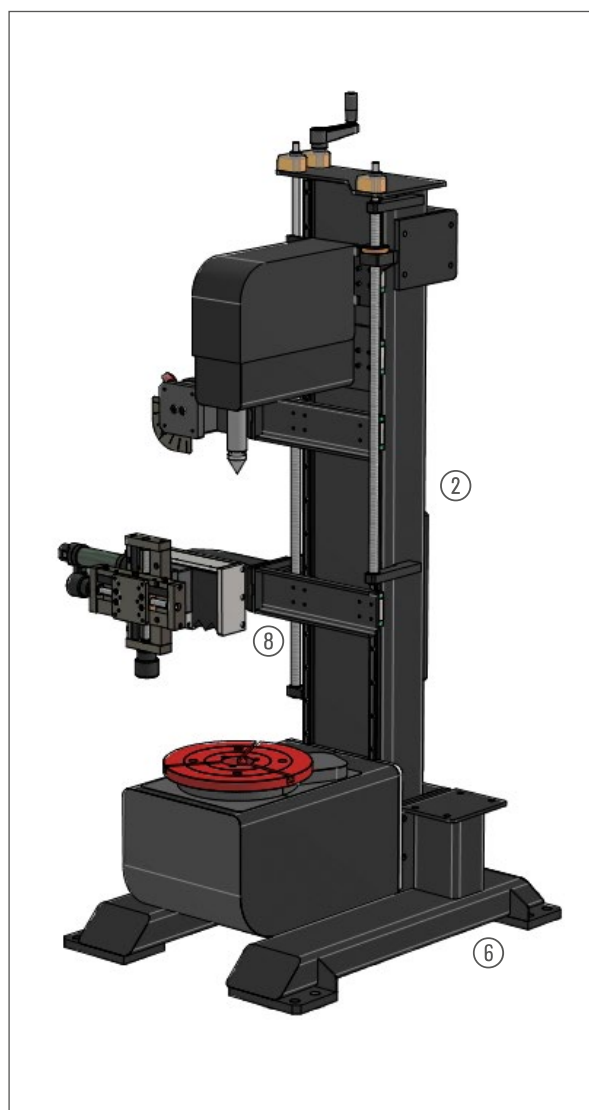
- **W** = Weight capacity
- **W x L** = Tilt torque
- **W x R** = Rotation torque

Picture aside:
JODA MICRO
without cell

TORNO JODA MICRO



1. JDMCR.TM Headstock
2. JDMCR.B _ _ Beam
3. JDMCR.CP Tailstock
4. JDMCR.LS Dolly
5. JDMCR.ST Rotating support
6. JDMCR.P Pair of low feet
7. JDMCR.P1000 Pair of high feet
8. JDMCR.CR manual carriage. CRM motorized carriage
9. JD Pneumo 80 Pneumatic slide
10. Manual slides SM MINI 80/2 with
11. TWIN torch holder
12. Chuck Grip 300

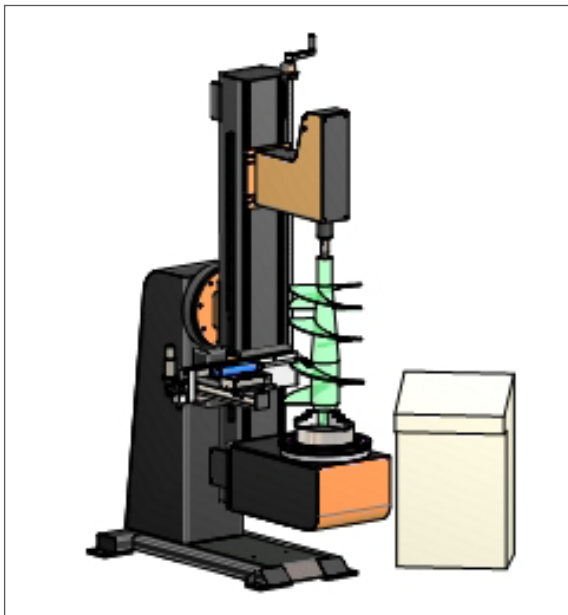


TORNO JODA MIDI

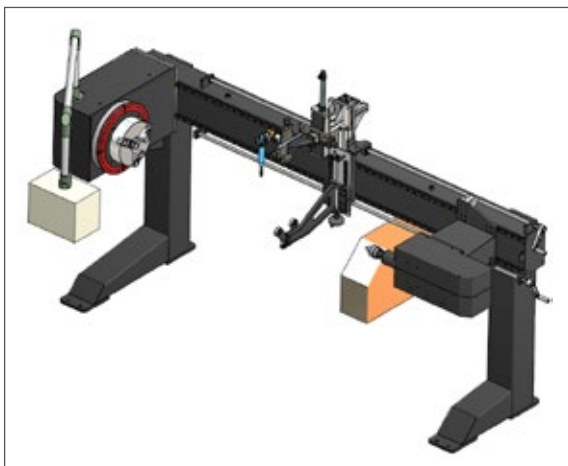


MODULES OF JODA MIDI LATHE CAN BE COMBINED TOGETHER AS WELL AS WITH ANY CARPANO'S ITEM OF COMPLEMENTARY EQUIPMENT SO AS TO DELIVER PLANTS SUITABLE FOR ANY NEED.

- Motorized headstock
- Pneumatic Tailstock with manual or motorized motion
- Feet for horizontal standing in fixed position , or alternatively support to rotate the lathe 0° to 90° to optimize weld angle
- One or two side beam torch carriages which can be equipped with manual, pneumatic or motorized slides as well as with height adjustable dollies
- 3-jaws self-centring chucks
- Manual, pneumatic or motorized slides with torch holder
- Beam lengths available from 1000 to 6000 mm
- Weight capacity 400 kg
- Maximum work piece Ø 900 mm

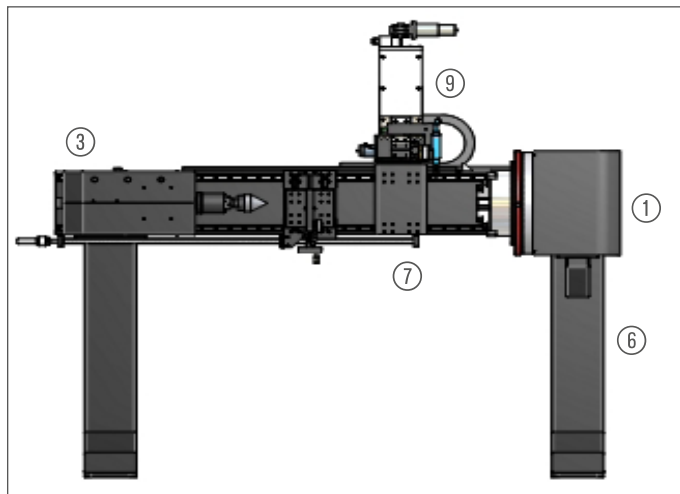
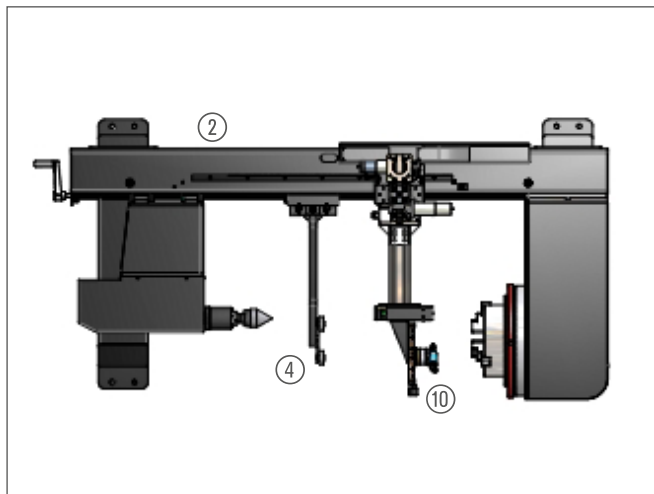


JODA MIDI lathe on -90° to + 45° rotating support for hard facing of worm screws. The torch carriage equipped with x/y motorized slides. Remote control desk.

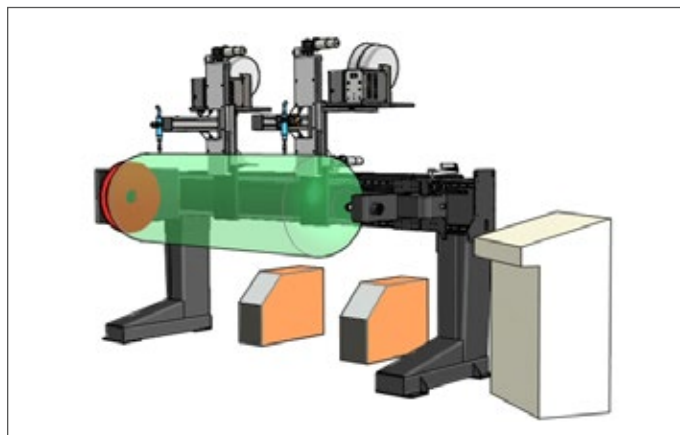
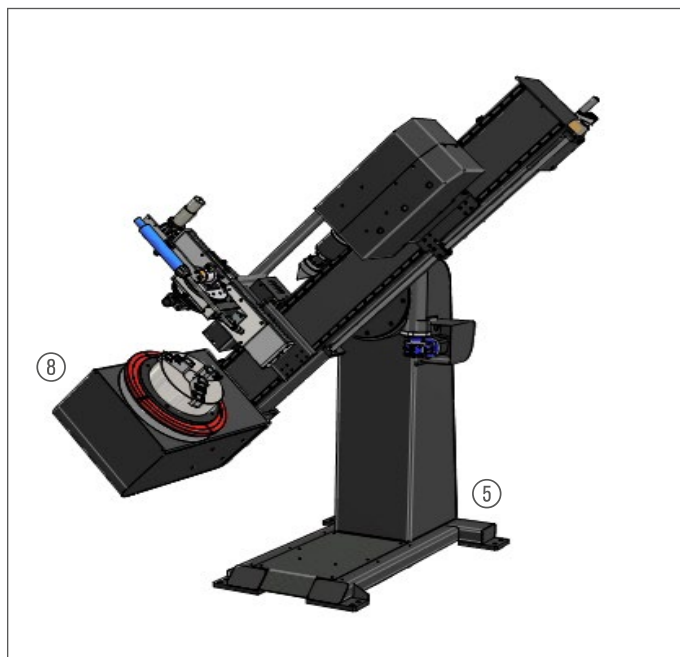


Joda MIDI lathe standing horizontally, torch carriage with pneumatic and manual slides. Machine tool-like swivel control pendant.

TORNO JODA MIDI

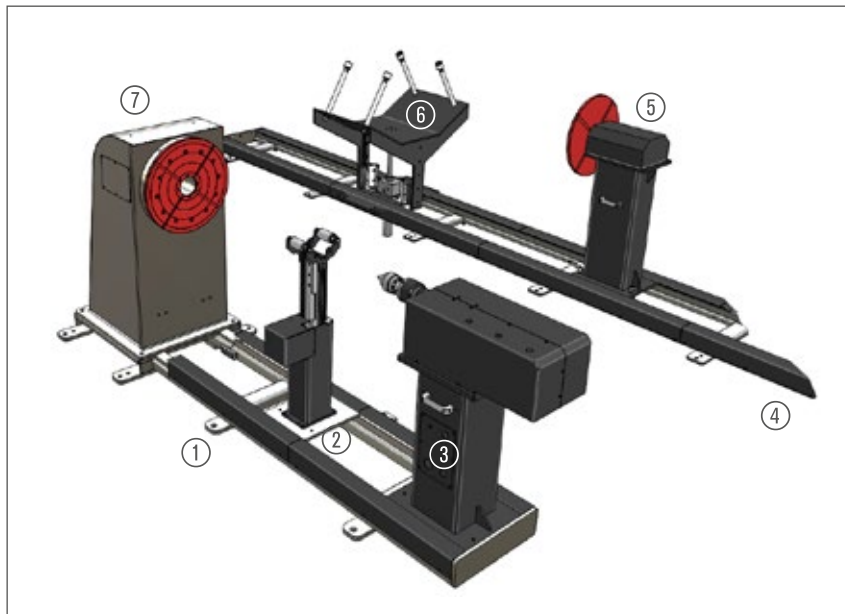


1. 1. JDMD.TM Headstock
2. 2. JDMD.B _ _ _ Beam
3. 3. JDMD.CP Tailstock
4. 4. JDMD.LS Dolly
5. 5. JDMD.ST Rotating support
6. 6. JDMD.P Pair of feet
7. 7. JDMD.CR Carriage (manual or motorized)
8. 8. CHK-ST-315A Chuck
9. 9. MM MIDI 250/1 Vertical motorized slide
10. 10. SM MIDI Manual slides



MIG welding of boiler bottoms.
Each JDMD.CR loaded with
its own wire feeder.
Remote control desk

TORNO JODA HORIZONTAL



- | | |
|-------------------|---------------------------|
| 1. JDR 2000/C | 5. JD TF |
| 2. JD SE | 6. JD EL |
| 3. JDHC and JDHCP | 7. JDTM – Joda Horizontal |
| 4. JDR 3000/C | |

MODULES OF JODA HORIZONTAL CAN BE COMBINED TOGETHER TO GET 3 SIZES:

JDH04, JDH10 and JDH20 each of which consists of:

- Headstock JDTM
- Manual tailstock JDTF or pneumatic tailstocks JDHC or JDHCP
- Base JDR, with ball linear guides, covers and levelling screws, available in sections of 2 m (JDR 2000/C) or of 3 m (JDR 3000/C)
- Height adjustable dollies JDSE, JDEL and IPTRE to suit different diameters.



LATHE JDH04 CONSISTING OF:

- Headstock JDTM04 driven by brushless motor and encoder for CNC, equipped with CHK-ST-500A self centring chuck.
- Dollies JDSE height adjustable by rack and hand wheel, movable on the base by hand.
- Pneumatic tailstock JDHCP04 featuring axial stroke 150 mm, thrust 300 kg at 6 Bar, movable on the base by hand
- Base JDR 5000/C
- Remote control desk cabinet.

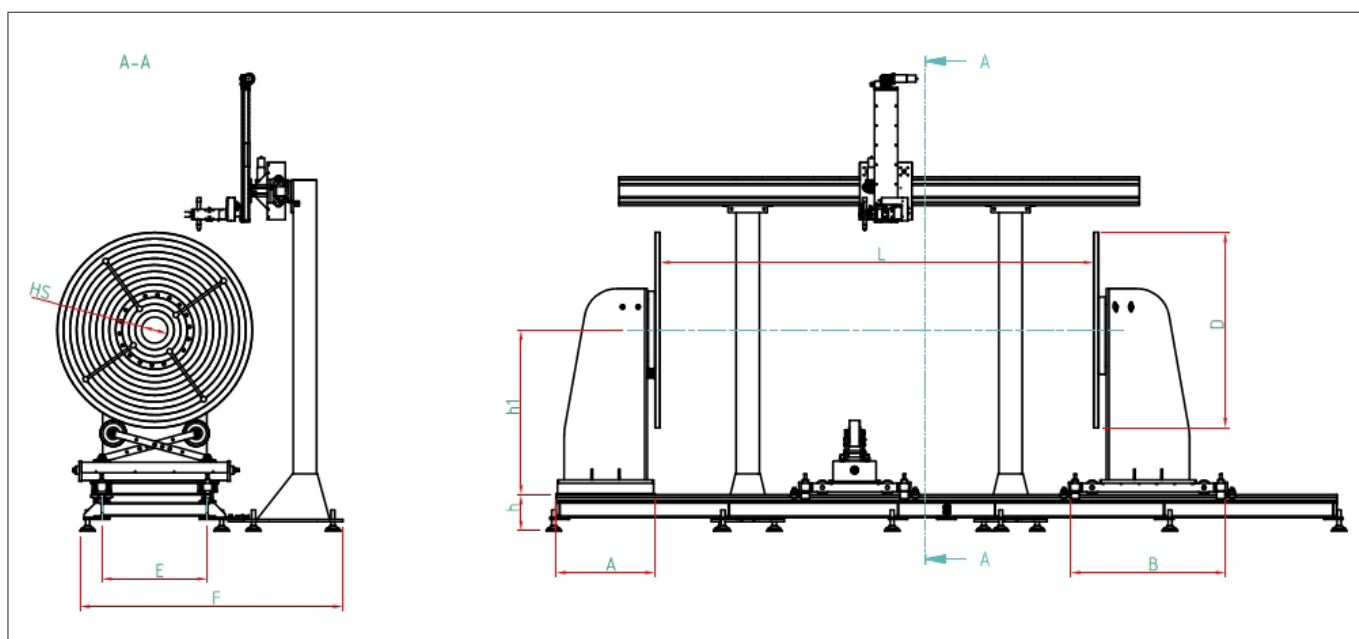
Overhead the lathe are installed different kinds of Carpano's complementary equipment.

TORNO JODA HORIZONTAL



STANDARD FEATURES

- Feeding 230V 1-phase or 400V
- 3-phase.
- Work cycle CNC [*5].
- Weld ground 400 A [*6].
- Remote control desk cabinet.



(*) ON REQUEST:

1. Different torque
2. Different speed range or drive
3. Pneumatic tailstock
4. Different diameter
5. Different work cycle (start delay, 360° + x° overlapping, back stroke -0°)
6. Up to 1000 A 100%
7. Different arrangements of control cabinet integrating video and joint tracking systems as well as installation of Carpano's Complementary equipment such as AVC, chucks, wire feeder...

W = Weight capacity kg

W x R = Rotation torque [*1]

W x K = Tilt torque kgm

E1/Be = Speed range min/max rpm / Brushless motor + encoder [*2]

L min/max = Distance in-between tables mm

D = Table diameter mm [*3]

HS = Hollow spindle diameter [*4]

A, B, E, F, h, h1 = Dimensions mm

Joda Horizontal													
Type	W	W x R	W x K	E1 / Be	L	D	HS	A	B	E	F	h	h1
JDH04	400	60	200	0,05/2,0	1000 / 6000	500	100	760	850	810	1250	200	780
JDH10	1000	200	350	0,05/2,0	1000 / 6000	900	100	760	1000	810	1600	200	1020
JDH20	2000	300	500	0,01/0,5	1000 / 6000	1200	200	760	1190	810	2000	200	1260