

UZC 76 CNC1



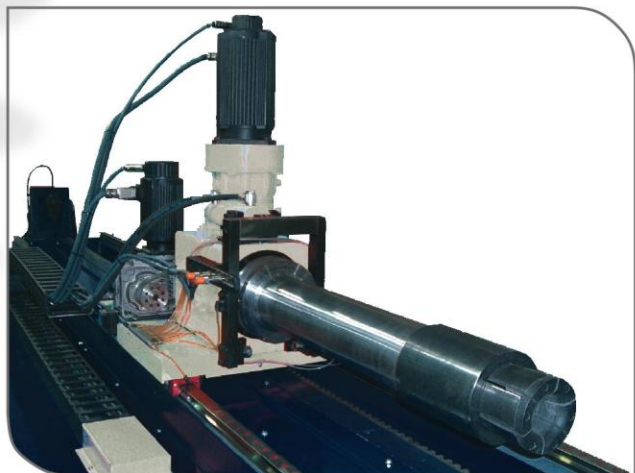
With models that extend from Ø16 mm up to Ø 230 mm capacity, the UZMA CNC tube benders with 3 axis or 5 axis Machines brings the optimal tube bending solutions for the automotive, trucking, buses, healthcare, boiler, ship building and other industries. UZMA UZC line tube benders can offer the highest performance solutions, bringing accuracy, flexibility and high production.

In CNC2 and CNC3 series tube benders with servo motor driven bending movement you can reach to the highest performance solutions for bending, bringing accuracy, flexibility and high production. Servo motor driven bending movement is also available in CNC1 series as a option.

The CNC2 and CNC3 series tube benders with multi tool system allows the pipe bending of fixed radiuses with bending tools and multiple large roll bending radiuses with rolling tool in a single part.

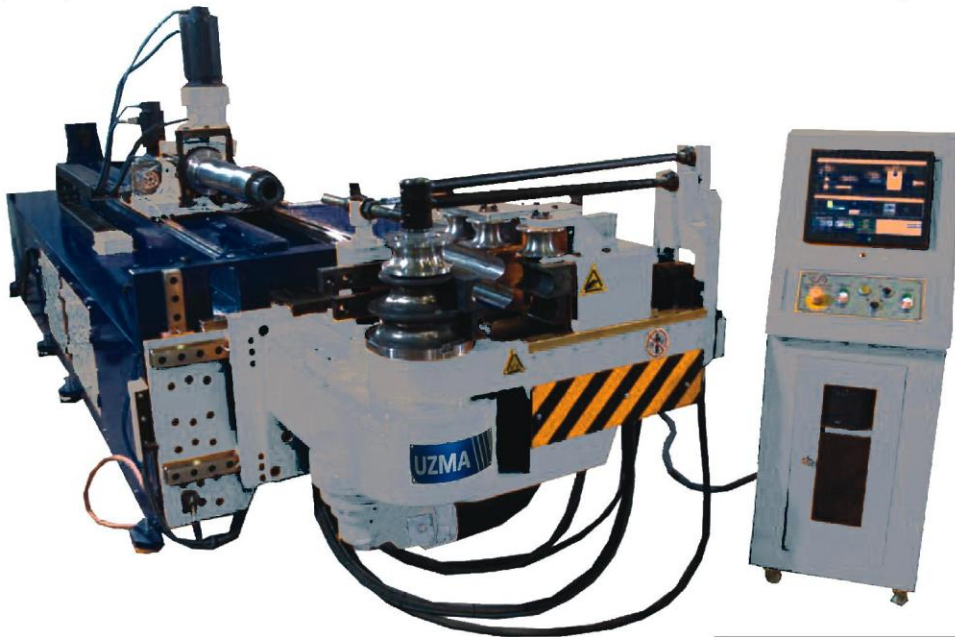
UZC Features

- 2D - CNC control unit
- Self diagnosis & error messages on-screen display
- 3 – Axis or 5 Axis
- CNC controlled full automatic tube feeding & turning vehicle with servo motors
- Hydraulic clamp
- Hydraulic mandrel
- Hydraulic support for pressure die
- Hydraulic pressure die movement
- Hydraulic bending movement
- Servo motor driven bending movement (Standard with CNC 2 & CNC 3)
- Mandrel take out/retract system (hydraulic)
- Oil cooler
- Automatic mandrel lubrication
- Automatic system lubrication



CNC controlled full automatic feeding & turning vehicle

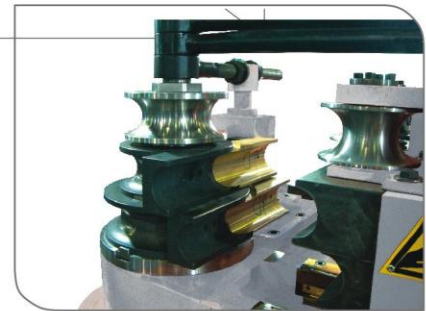
UZC 51 CNC3



CNC 1 — 1 bending tool
UZMA UZC line CNC1 models are 3-axes machines
(Feeding, Rotation, Bending)

CNC 2 — 2 bending tool or 1 bending tool + 1 rolling tool
UZMA UZC line CNC2 models are 5 axes machines
(Feeding, Rotation, Bending, Horizontal tooling change,
Vertical tooling positioning)

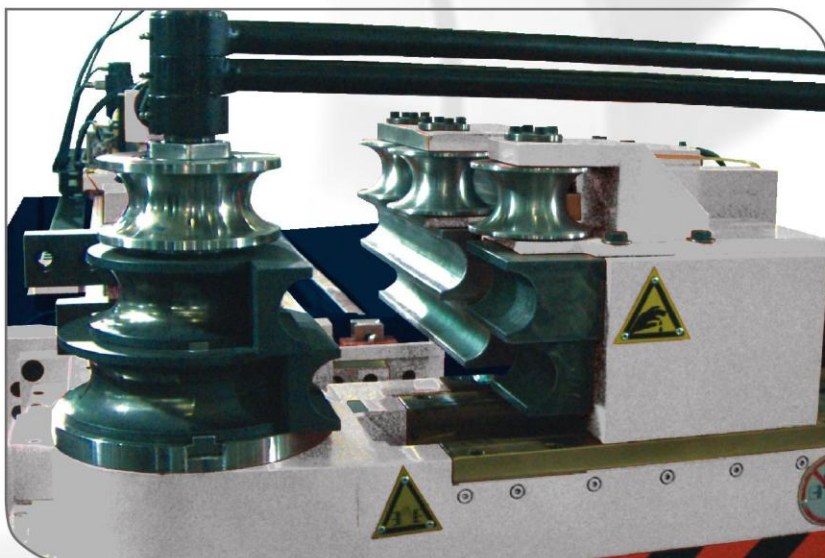
CNC 3 — 3 bending tool or 2 bending tool + 1 rolling tool
UZMA UZC line CNC2 models are 5 axes machines
(Feeding, Rotation, Bending, Horizontal tooling change,
Vertical tooling positioning)



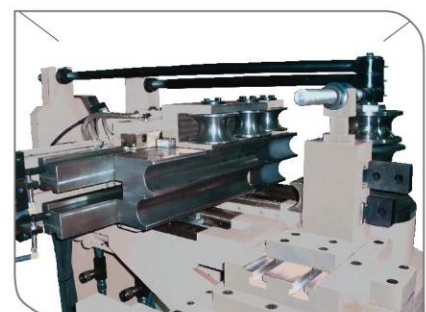
2 bending die with wiper die + 1 rolling die



Hydraulic pistons of pressure dies



CNC3 bending head with 2 bending tool + 1 rolling tool



2 pcs pressure die for bending tool & rollers for rolling tool

	CNC 1								
	UZC 16	UZC 25	UZC 38	UZC 42	UZC 51	UZC 76	UZC 90	UZC 114	UZC 130
Max. Pipe diameter(mm)	16	25	38	42	51	76	90	100	130
Max. Wall thicknes(mm)	2	2	3	3	3	4	4	5	5
Max. Bending radius(mm) CLR	250	250	250	250	250	250	250	300	350
Max. Bending angle(°)	190	190	190	190	190	190	190	190	190
Bending speed (°/sec)	48	48	35	35	35	30	30	30	25
Feeding speed (mm/sec)	1000	1000	1000	1000	1000	800	800	500	500
Rotating speed (°/sec)	210	210	210	210	210	140	140	60	60
Motor power(kw)	11.	11	11	11	11	15	18	22	30
Mandrel Length (mm)	2500	2500	3250	3250	3250	3500	4000	4000	4500
Bending Accuracy	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1
Feeding & Turning Accuracy	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1
Oil tank capacity	100	120	120	120	120	160	160	180	200
Max. Hydraulic pressure (bar)	140	190	190	190	190	220	240	240	270
Weight (kg)	2700	2700	2850	2850	3000	3500	4500	6000	6500
Length (mm)	4000	4000	5000	5000	5000	5500	5750	6000	6000
Width (mm)	1400	1400	1500	1500	1500	1700	1850	2200	2500
Height (mm)	1400	1400	1400	1400	1500	1600	1600	2000	2000

	CNC 2			
	UZC 38	UZC 42	UZC 51	UZC 76
Max. Pipe diameter(mm)	38	42	51	76
Max. Wall thicknes(mm)	3	3	3	4
Max. Bending radius(mm) CLR	250	250	250	250
Max. Bending angle(°)	190	190	190	190
Bending speed (°/sec)	50	50	45	35
Feeding speed (mm/sec)	1000.	1000	1000	800
Rotating speed (°/sec)	210	210	210	140
Motor power(kw)	11	11	11	11
Mandrel Length (mm)	3900	3900	3900	3900
Bending Accuracy	±0.1	±0.1	±0.1	±0.1
Feeding & Turning Accuracy	±0.1	±0.1	±0.1	±0.1
Oil tank capacity	140	140	140	140
Max. Hydraulic pressure (bar)	200	200	200	200
Weight (kg)	5000	5000	5500	6500
Length (mm)	6300	6300	6300	6300
Width (mm)	1600	1600	1600	1600
Height (mm)	2000	2000	2000	2000

	CNC 3			
	UZC 38	UZC 42	UZC 51	UZC 76
Max. Pipe diameter(mm)	38	42	51	76
Max. Wall thicknes(mm)	3	3	3	4
Max. Bending radius(mm) CLR	250	250	250	250
Max. Bending angle(°)	190	190	190	190
Bending speed (°/sec)	50	50	45	35
Feeding speed (mm/sec)	1000.	1000	1000	800
Rotating speed (°/sec)	210	210	210	140
Motor power(kw)	11	11	11	11
Mandrel Length (mm)	3900	3900	3900	3900
Bending Accuracy	±0.1	±0.1	±0.1	±0.1
Feeding & Turning Accuracy	±0.1	±0.1	±0.1	±0.1
Oil tank capacity	140	140	140	140
Max. Hydraulic pressure (bar)	200	200	200	200
Weight (kg)	5200	5200	5700	6700
Length (mm)	6300	6300	6300	6300
Width (mm)	1600	1600	1600	1600
Height (mm)	2000	2000	2000	2000