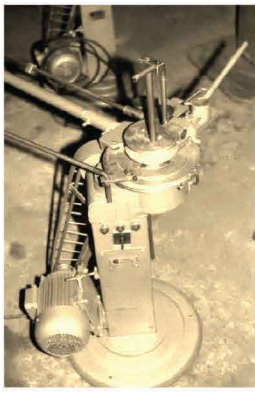


CANSA MAKİNA
SANAYİ VE TİC.LTD.ŞTİ.
PIPE BENDING MACHINES

35 Years Experience



CANSA MAKINA
PIPE BENDING MACHINES

HISTORY

CANSA MAKINA started in the late 1960s' as a small family-run job shop specialising in metal furniture production. From its small beginnings, with only three people, the company has grown and evolved to become a successful business driven by technology and innovation. Mustafa Cansız, together with his brother Süleyman Cansız, and his son Muzaffer Cansız with the support of the younger generation became a position that leads the market in terms of continuous innovation and production quality.

At the beginning, the hardness of the operations of metal for manufacturing furnitures generated to motive finding an easier way for bending the pipes. And therefore to make production processes easier, the first pipe bending machine of Turkey was produced by CANSA MAKINA.

Since that time, CANSA MAKINA has accumulated advanced and professional techniques for superior production quality on practical and solid ground. Today, with outstanding capabilities of technology and vision, CANSA MAKINA continue to improve and advance with the latest market trend. So that, the efforts and achievements are high recognized by all customers in Turkey and abroad. Through to comprehensive and complete service, CANSA MAKINA strength to guarantee 100% customers satisfaction. CANSA MAKINA is confidently pursuing the best quality to aim to meet customers' needs.

Late 1960s-1979: A small family-run job shop specialising in metal furniture production.

1979: The first tube bending machine of Turkey is produced by Cansa Makine

1980- The company took the name of CANSA MAKINA and the production area identified as pipe bending machine

1985-1990: Cansa Makina started to use hydraulic systems at the production of pipe bending machines.

1990: The first hydraulic tube bending machine of Turkey is produced by Cansa Makina again.

1993: End-forming machine is produced.

1995: Cansa Makina pipe bending machine is introduced into the wide range of markets with a national fair in İstanbul.

1997: The first CNC tube bending machine of Turkey was produced by Cansa Makina.

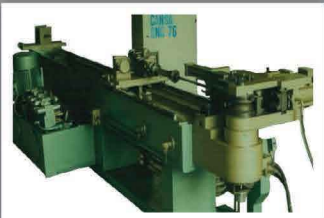
1999: Modernization of production conditions; new technology in application

2000: Cansa Makina joined an international fair and opened up to abroad markets.

2008: Pipe punching machine is introduced into the markets

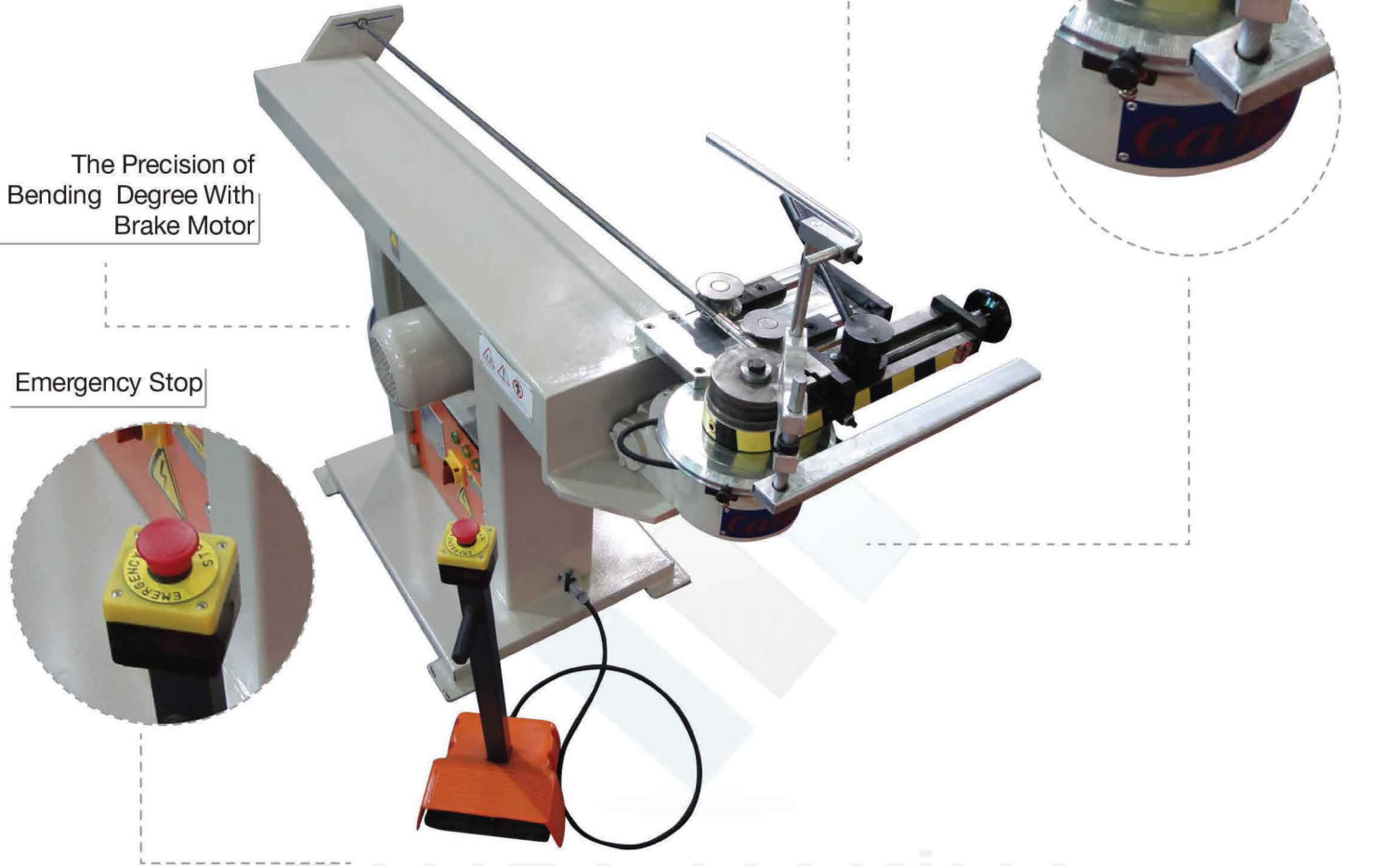
TODAY

- Cansa Makina, since 1979, is experiencing a remarkable and steady growth trend. Cansa Makina pipe bending, end-forming and pipe punching machines have been working constantly for more than twenty years and have produced many different products all over Turkey and abroad with reliability and precision. From this standpoint, Cansa Makina demonstrate a production rigour and competence that the customer will always require.





Machine Model: CM-32



Technical Specifications:

- Pipe bending machine with gear system
- Maximum bending capacity 32X2 mm diameter
- Eccentric clamp
- Support roller
- Electric motor driven
- Precise bending with brake motor
- External brake lining cooling fan
- Max. 190 bending angle
- Motor power 2.2 kw
- Mandrel length 1650 mm.
- Electrical panel safety lock and panel lock with key
- Two years guarantee; technical service and training confidency by CANSA MAKINA
- Suitable for CE

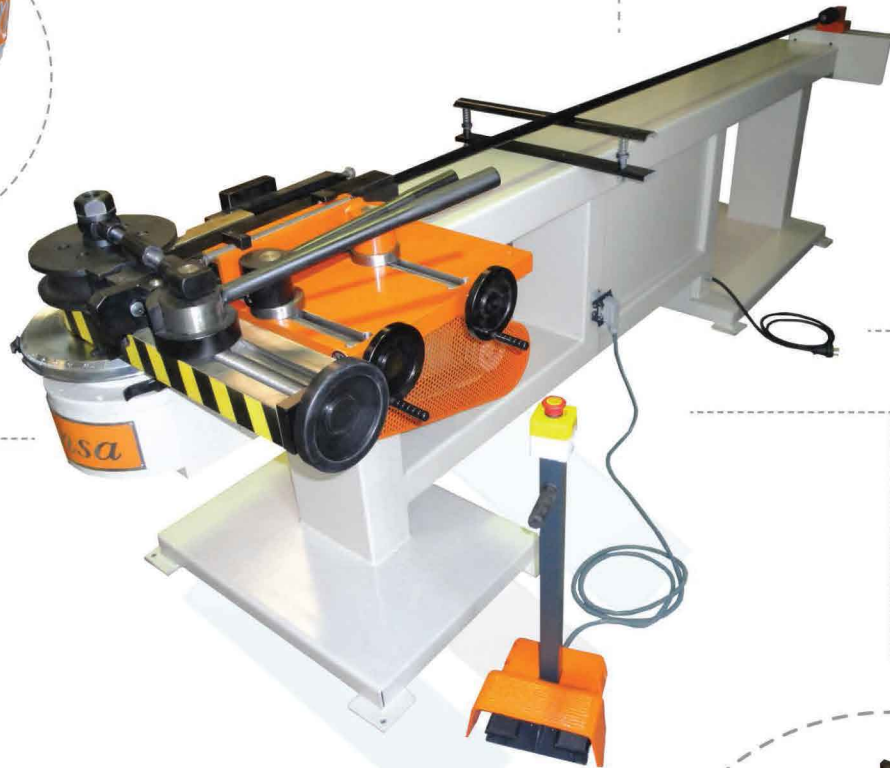
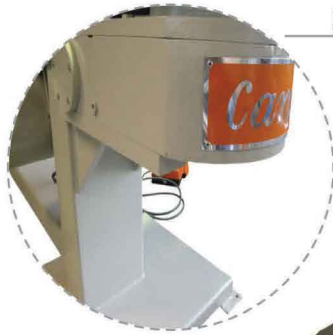




Machine Model: CM-51

Manufacture Of Cansa Makina
Strong Gear System

The Precision of
Bending Degree With
Brake Motor



Technical Specifications:

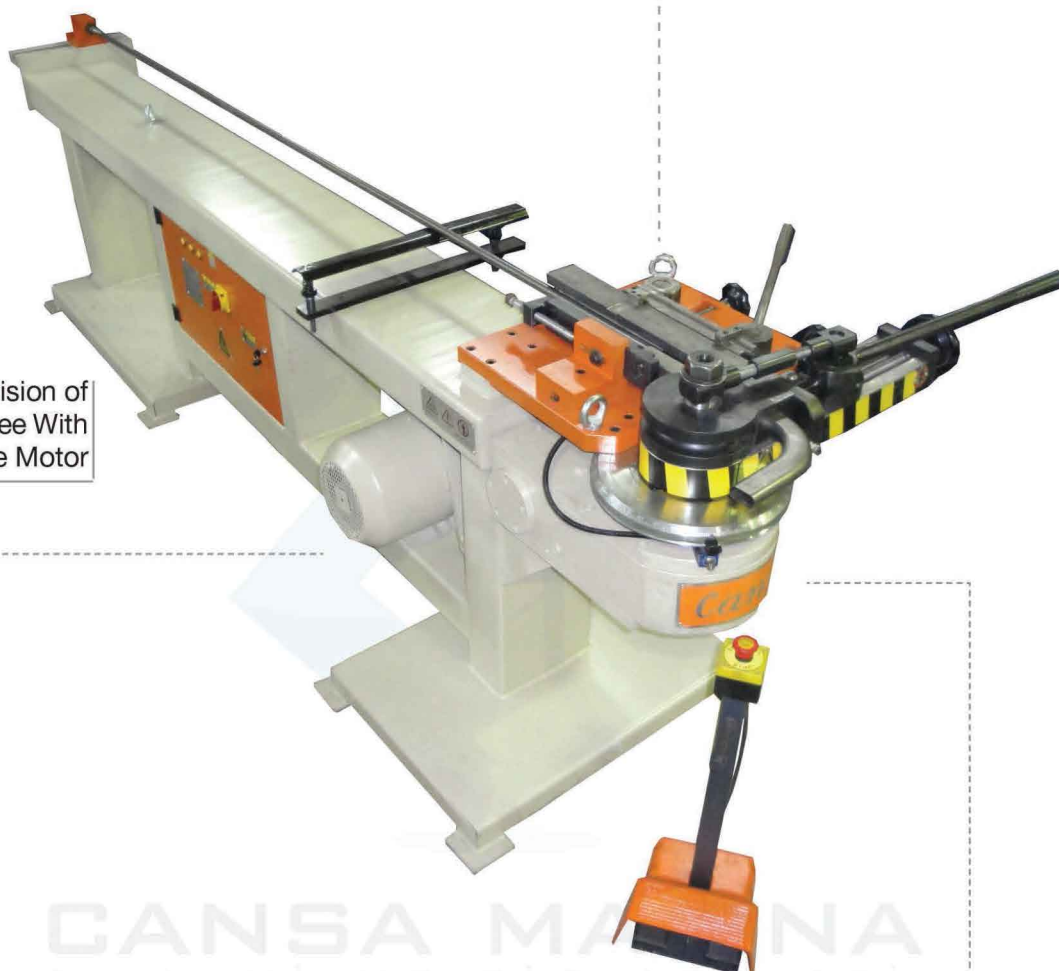
- Pipe bending machine with gear system
- Maximum bending capacity 51X3 mm diameter
- Eccentric clamp
- Eccentric support
- Electric motor driven
- Precise bending with brake motor
- External brake lining cooling fan
- Motor power 5.5 kw
- Max. 190 bending angle
- Mandrel length 3100 mm.
- Electrical panel safety lock and panel lock with key
- Two years guarantee; technical service and training confidenciy by CANSA MAKINA
- Suitable for CE

Bending Group and
Support Group



Machine Model: CM-76

The Precision of
Bending Degree With
Brake Motor



Technical Specifications:

- Pipe bending machine with gear system
- Maximum bending capacity 76X4 mm diameter
- Eccentric clamp
- Eccentric support
- Electric motor driven
- Precise bending with brake motor
- External brake lining cooling fan
- Motor power 7.5 kw
- Max. 190 bending angle
- Mandrel length 3150 mm.
- Electrical panel safety lock and panel lock with key
- Two years guarantee; technical service and training confidency by CANSA MAKINA
- Suitable for CE

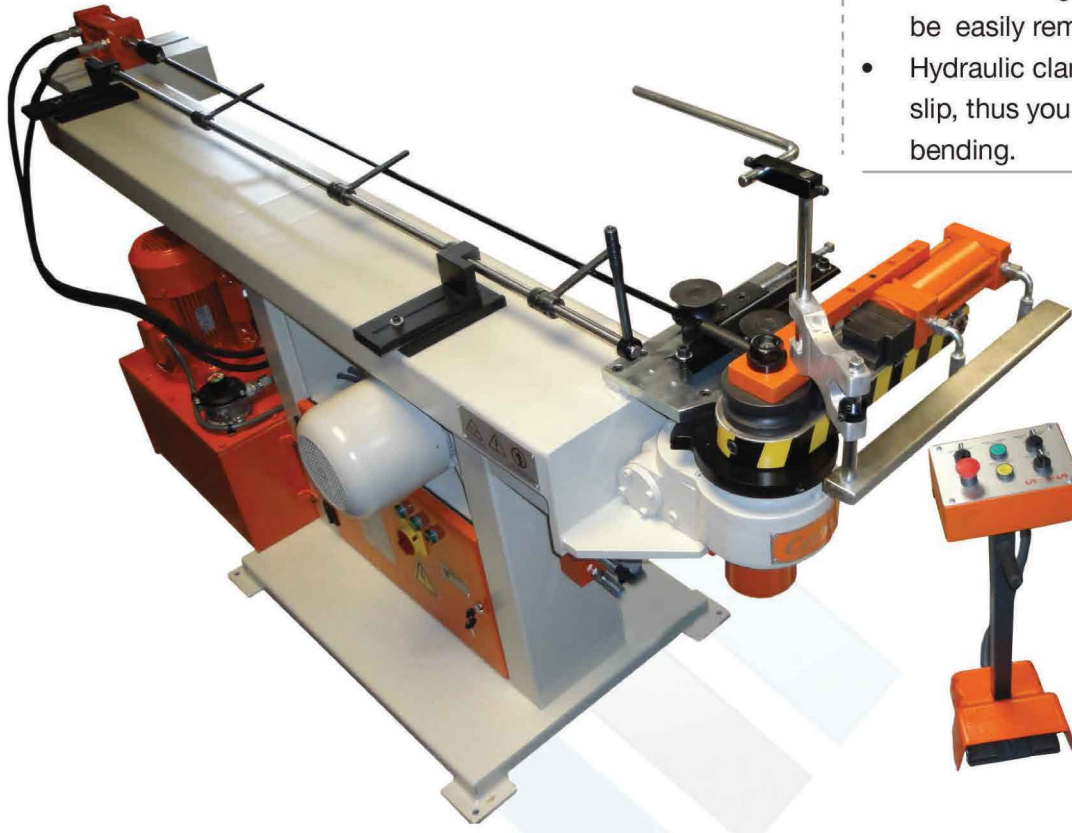
Easy Usage With Pedal



Graduated Chuck



Machine Model: CMH-32 With Button



- Mandrel piston move back and forth after bending. In this way, the pipe can be easily removed from the mandrel.
- Hydraulic clamp prevents pipe to slip, thus you can get better quality of bending.

Technical Specifications:

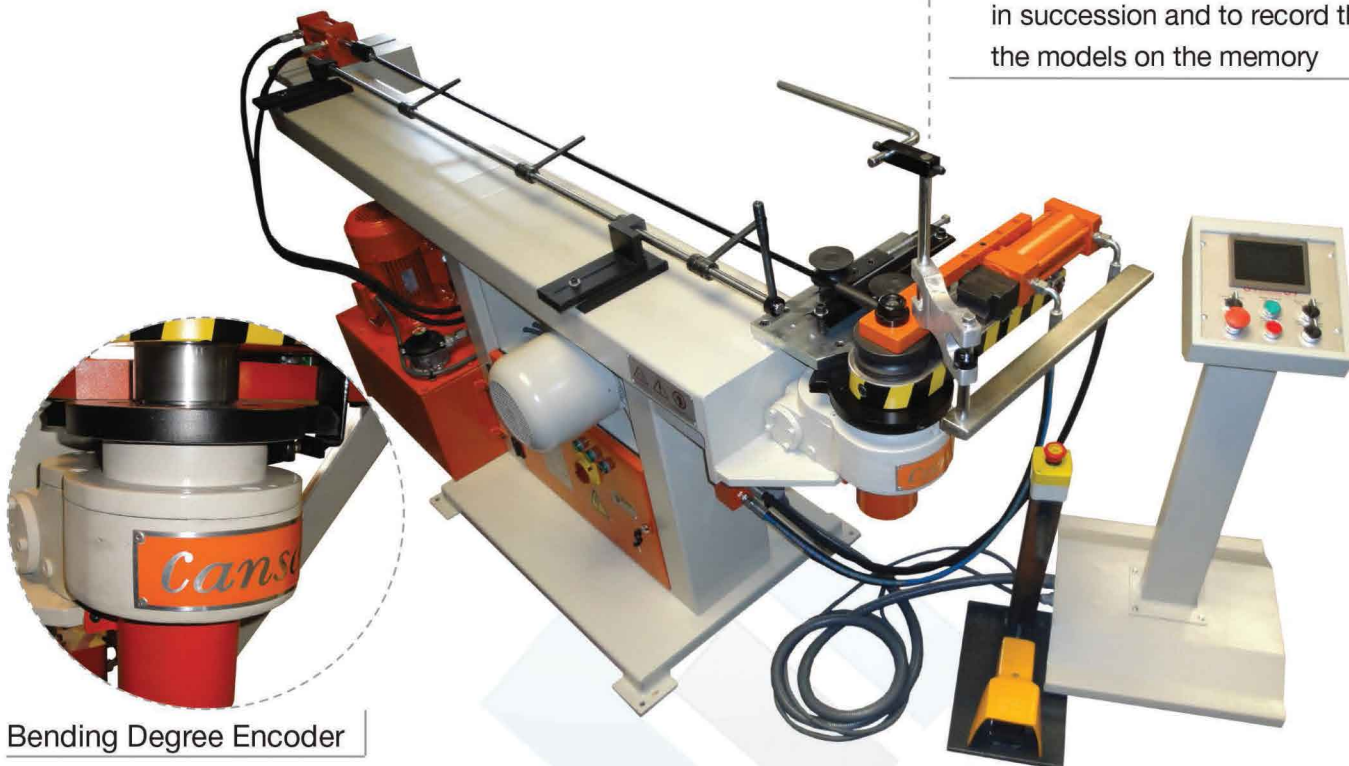
- NC system pipe bending machine with gear system
- Maximum bending capacity 32X2 mm diameter
- Hydraulic clamp
- Hydraulic mandrel
- Max. 190 bending angle
- Bending degree with switch
- Electric motor driven
- Precise bending with brake motor
- External brake lining cooling fan
- Manual or automatic operation with the button
- Foot pedal control
- Safety plate with pro-switch
- Mandrel length 2000 mm.
- Max. hydraulic pressure 120 bar
- Total motor power 4.4 kw
- Electrical panel safety lock and panel lock with key
- Two years guarantee; technical service and training confidency by CANSA MAKINA
- Suitable for CE





Machine Model: CMH-32 With Screen

- The specifications of CMH 32 with button plus
- Ability to bend different bending degrees in succession and to record the name of the models on the memory



Bending Degree Encoder

Technical Specifications:

- NC system pipe bending machine with gear system
- Maximum bending capacity 32X2 mm diameter
- Hydraulic clamp
- Hydraulic mandrel
- Max. 190 bending angle
- Bending degree with encoder
- Electric motor driven
- Precise bending with brake motor
- External brake lining cooling fan
- 3.2" color touch screen
- Manual or automatic operation on the screen
- Ability to see daily / total amount of production on the screen
- Ability to control the tightening times of moving parts and to hold the desired pressure on the screen
- To follow error messages on the screen and on the watch page
- Foot pedal or button control optionally
- Safety plate with pro-switch
- Ability to record 100 different programmes
- Mandrel length 2000 mm.
- Max. hydraulic pressure 120 bar
- Total motor power 4.4 kw
- Electrical panel safety lock and panel lock with key
- Two years guarantee; technical service and training confidency by CANSA MAKINA
- Suitable for CE

| | |
|---|--|
|  Coloured Touch Screen |  Electrical panel is suitable for CE |
|  Job Safety Firstly! You can not open the electrical panel before switch of |  Safety Plate |
|  Duble oil filters; suction and return; oil pollution indicator |  Miter Apparatus |
|  Strong piston |  High quality hydraulic unit |

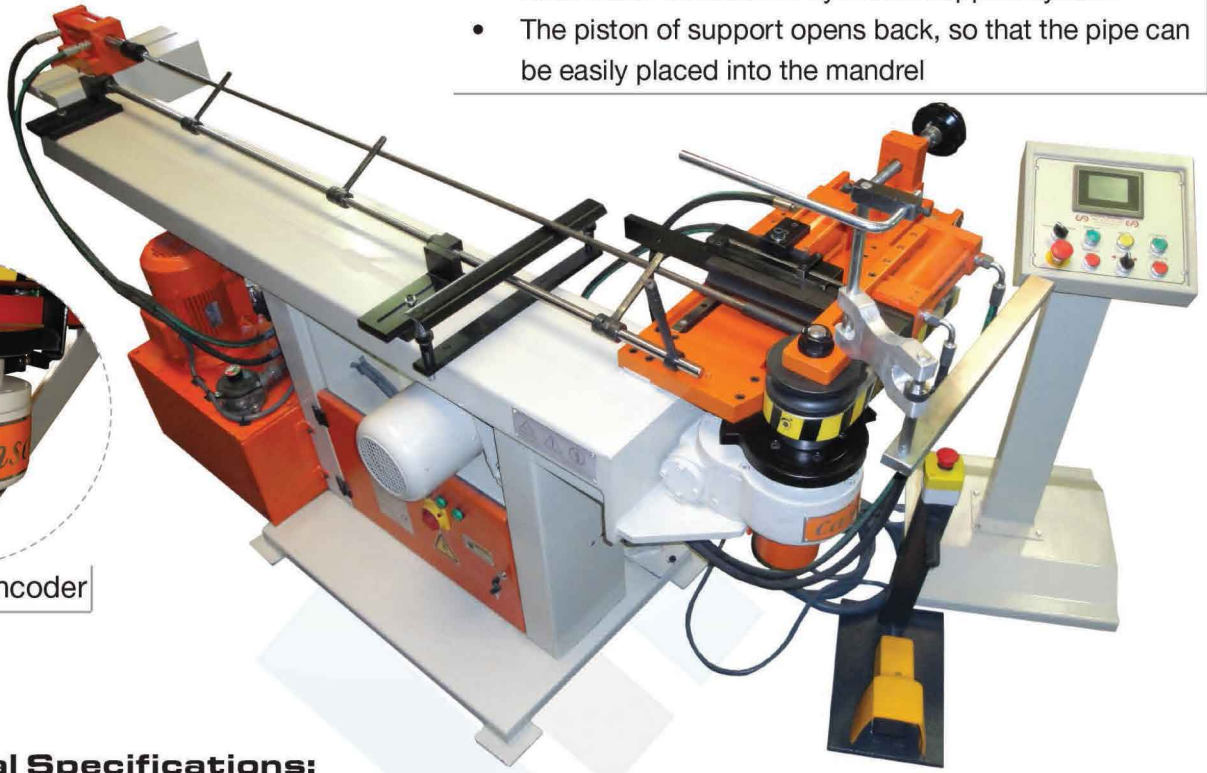


Machine Model: CMH-32 With Screen and Support

- The specifications of CMH 32 with screen plus
- Less waste because of hydraulic support system
- The piston of support opens back, so that the pipe can be easily placed into the mandrel



Bending Degree Encoder



Technical Specifications:

- NC system pipe bending machine with gear system
- Maximum bending capacity 32X2 mm diameter
- Hydraulic clamp
- Hydraulic mandrel
- Hydraulic support
- Max. 190 bending angle
- Bending degree with encoder
- Electric motor driven
- Precise bending with brake motor
- External brake lining cooling fan
- 3.2" color touch screen
- Manual or automatic operation on the screen
- Ability to see daily / total amount of production on the screen
- Ability to control the tightening times of moving parts and to hold the desired pressure on the screen
- To follow error messages on the screen and on the watch page
- Foot pedal or button control optionally
- Safety plate with pro-switch
- Ability to record 100 different programmes
- Mandrel length 2000 mm.
- Max. hydraulic pressure 120 bar
- Total motor power 4.4 kw
- Electrical panel safety lock and panel lock with key
- Two years guarantee; technical service and training confidencly by CANSA MAKINA
- Suitable for CE





Machine Model: CMH-42



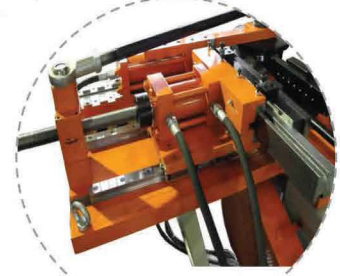
Technical Specifications:

- NC system pipe bending machine with gear system
- Maximum bending capacity 42X2 mm diameter
- Hydraulic clamp
- Hydraulic mandrel
- Hydraulic support
- Max. 190 bending angle
- Bending degree with encoder
- Electric motor driven
- Precise bending with brake motor
- External brake lining cooling fan
- 3.2" color touch screen
- Manual or automatic operation on the screen
- Ability to see daily / total amount of production on the screen
- Ability to control the tightening times of moving parts and to hold the desired pressure on the screen
- To follow error messages on the screen and on the watch page
- Foot pedal or button control optionally
- Safety plate with pro-switch
- Ability to record 100 different programmes
- Mandrel length 2600 mm.
- Max. hydraulic pressure 140 bar
- Total motor power 7 kw
- Electrical panel safety lock and panel lock with key
- Two years guarantee; technical service and training confidency by CANSA MAKINA
- Suitable for CE





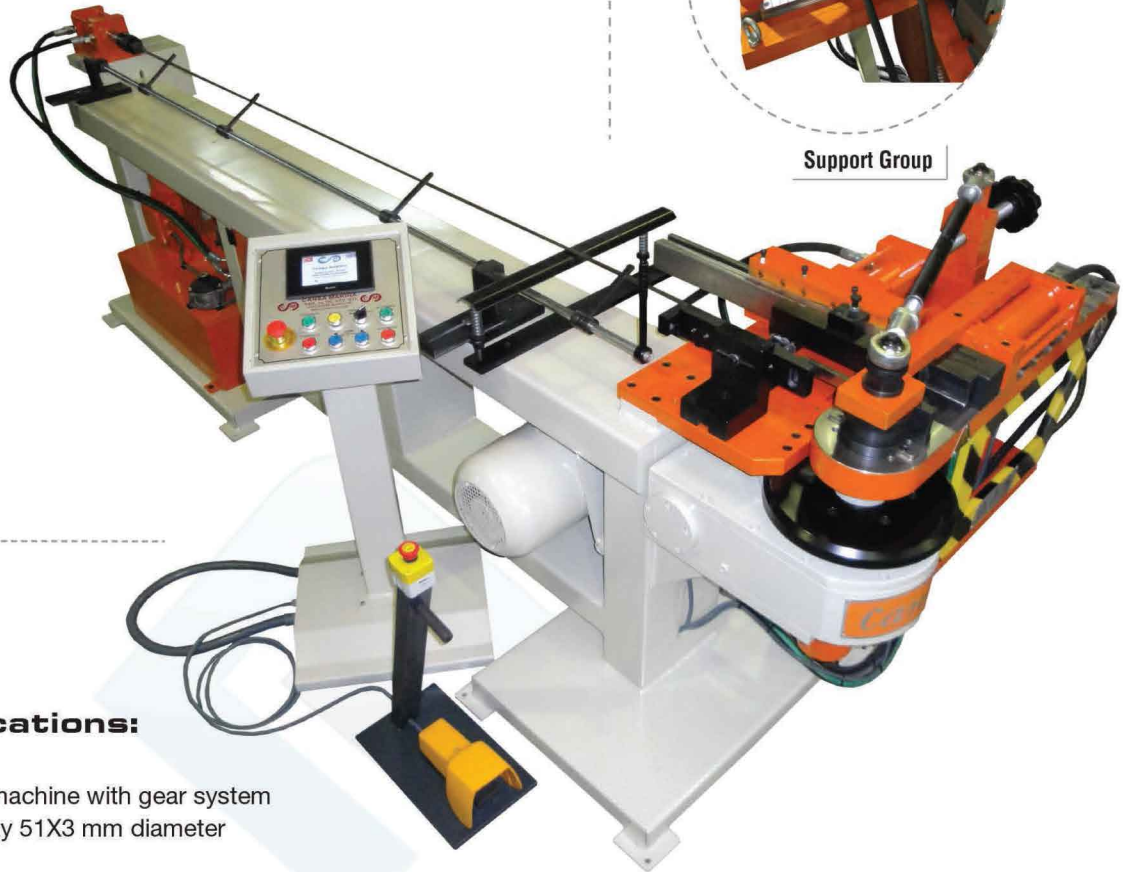
Machine Model: CMH-51



Support Group



**Manufacture Of Cansa Makina
Strong Gear System**



Technical Specifications:

- NC system pipe bending machine with gear system
- Maximum bending capacity 51X3 mm diameter
- Hydraulic clamp
- Hydraulic mandrel
- Hydraulic support
- Max. 190 bending angle
- Bending degree with encoder
- Electric motor driven
- Precise bending with brake motor
- External brake lining cooling fan
- 5.7" color touch screen
- Manual or automatic operation on the screen
- Ability to see daily / total amount of production on the screen
- Ability to control the tightening times of moving parts and to hold the desired pressure on the screen
- To follow error messages on the screen and on the watch page
- Foot pedal or button control optionally
- Ability to record 1000 different programmes
- Mandrel length 3100 mm.
- Max. hydraulic pressure 140 bar
- Total motor power 11 kw
- Safety plate with pro-switch
- Supported bend arm and bottom arm
- Electrical panel safety lock and panel lock with key
- Two years guarantee; technical service and training confidenciy by CANSA MAKİNA
- Suitable for CE



Coloured Touch Screen



Clamping piston on the bending arm even with the maximum radius.



Duble oil filters; suction and return; oil pollution indicator



Stronger support group with four linear carriages



Job Safety Firstly!

You can not open the electrical panel before switch of



Safety plate / supported bend arm and bottom arm that prevent sagging over time



Machine Model: CMH-76

Manufacture Of Cansa Makina
Strong Gear System



Technical Specifications:

- NC system pipe bending machine with gear system
- Maximum bending capacity 76X4 mm diameter
- Hydraulic clamp
- Hydraulic mandrel
- Hydraulic support
- Max. 190 bending angle
- Bending degree with encoder
- Electric motor driven
- Precise bending with brake motor
- External brake lining cooling fan
- 5.7" color touch screen
- Manual or automatic operation on the screen
- Ability to see daily / total amount of production on the screen
- Ability to control the tightening times of moving parts and to hold the desired pressure on the screen
- To follow error messages on the screen and on the watch page
- Foot pedal or button control optionally
- Ability to record 1000 different programmes
- Mandrel length 3150 mm.
- Max. hydraulic pressure 140 bar
- Total motor power 13 kw
- Safety plate with pro-switch
- Supported bend arm and bottom arm
- Electrical panel safety lock and panel lock with key
- Two years guarantee; technical service and training confidency by CANSA MAKINA
- Suitable for CE



Coloured Touch Screen



Clamping piston on the bending arm even with the maximum radius.



Duble oil filters; suction and return; oil pollution indicator



Stronger support group with four linear carriages



Job Safety Firstly!
You can not open the electrical panel before switch of



Safety plate / supported bend arm and bottom arm that prevent sagging over time



Machine Model: NC-76



Technical Specifications:

- NC system hydraulic pipe bending machine
- Maximum bending capacity 76X4 mm diameter
- Bending axis by hydraulic valves
- Hydraulic clamp
- Hydraulic pressure die
- Hydraulic mandrel
- Hydraulic support
- Hydraulic motor power 15 kw
- Hydraulic clamp system with bottom clamping
- Automatically activated hydraulic oil cooler and double fans
- Timed automatic lubrication for working components
- Automatic mandrel lubrication
- Max. 190 bending angle
- Bending degree with encoder
- 5.7" color touch screen
- Manual or automatic operation on the screen
- To see daily / total amount of production on the screen
- Security warning light
- To follow error messages on the screen and on the watch page
- Foot pedal or button control optionally
- Ability to record 1000 different programmes
- Mandrel length 4000 mm.
- Max. hydraulic pressure 210 bar
- Safety plate on the front and back of the bending head
- Supported bend arm and bottom arm
- Electrical panel safety lock and panel lock with key
- Two years guarantee; technical service and training confidency by CANSA MAKİNA
- Suitable for CE



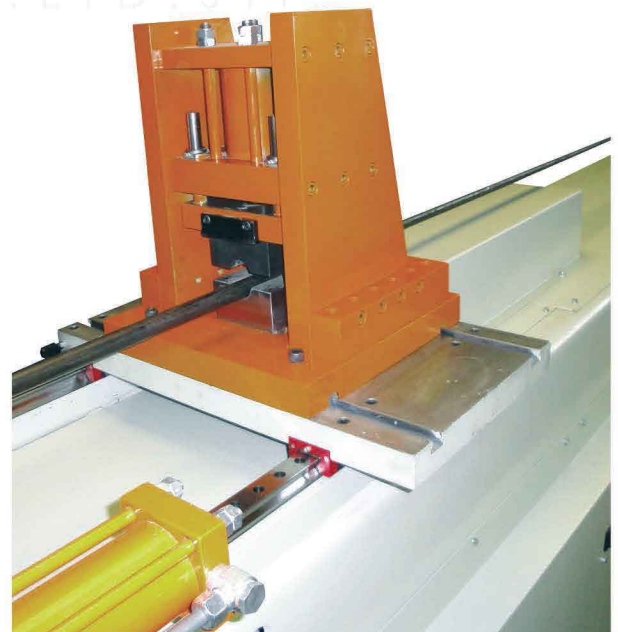


Machine Model: NC-90 Booster



Technical Specifications:

- NC system hydraulic pipe bending machine
- Maximum bending capacity 90X5 mm diameter
- Bending axis by hydraulic valves
- Hydraulic booster
- Hydraulic clamp
- Hydraulic pressure die
- Hydraulic mandrel
- Hydraulic support
- Total motor power 22 kw
- Hydraulic clamp system with bottom clamping
- Automatically activated hydraulic oil cooler and double fans
- Timed automatic lubrication for working components
- Automatic mandrel lubrication
- Max. 190 bending angle
- Bending degree with encoder
- 7" color touch screen
- Manual or automatic operation on the screen
- To see daily / total amount of production on the screen
- Security warning light
- To follow error messages on the screen and on the watch page
- Foot pedal or button control optionally
- Ability to record 1000 different programmes
- Mandrel length 6000 mm.
- Max. hydraulic pressure 210 bar
- Safety plate on the front and back of the bending head
- Supported bend arm and bottom arm
- Electrical panel safety lock and panel lock with key
- Two years guarantee; technical service and training confidency by CANSA MAKINA
- Suitable for CE





Machine Model: NC-1 14

**Technical Specifications:**

- NC system hydraulic pipe bending machine
- Maximum bending capacity 114X8 mm diameter
- Bending axis by hydraulic valves
- Hydraulic clamp
- Hydraulic pressure die
- Hydraulic mandrel
- Hydraulic support
- Total motor power 30 kw
- Hydraulic clamp system with bottom clamping
- Automatically activated hydraulic oil cooler and double fans
- Timed automatic lubrication for working components
- Automatic mandrel lubrication
- Max. 190 bending angle
- Bending degree with encoder
- 10" color touch screen
- Manual or automatic operation on the screen
- To see daily / total amount of production on the screen
- Security warning light
- To follow error messages on the screen and on the watch page
- Foot pedal or button control optionally
- Ability to record 1000 different programmes
- Mandrel length 6000 mm.
- Max. hydraulic pressure 240 bar
- Safety plate on the front and back of the bending head
- Supported bend arm and bottom arm
- Electrical panel safety lock and panel lock with key
- Two years guarantee; technical service and training confidency by CANSA MAKINA
- Suitable for CE



Support Group



Double fans and hydraulic cooler



Mandrel Piston



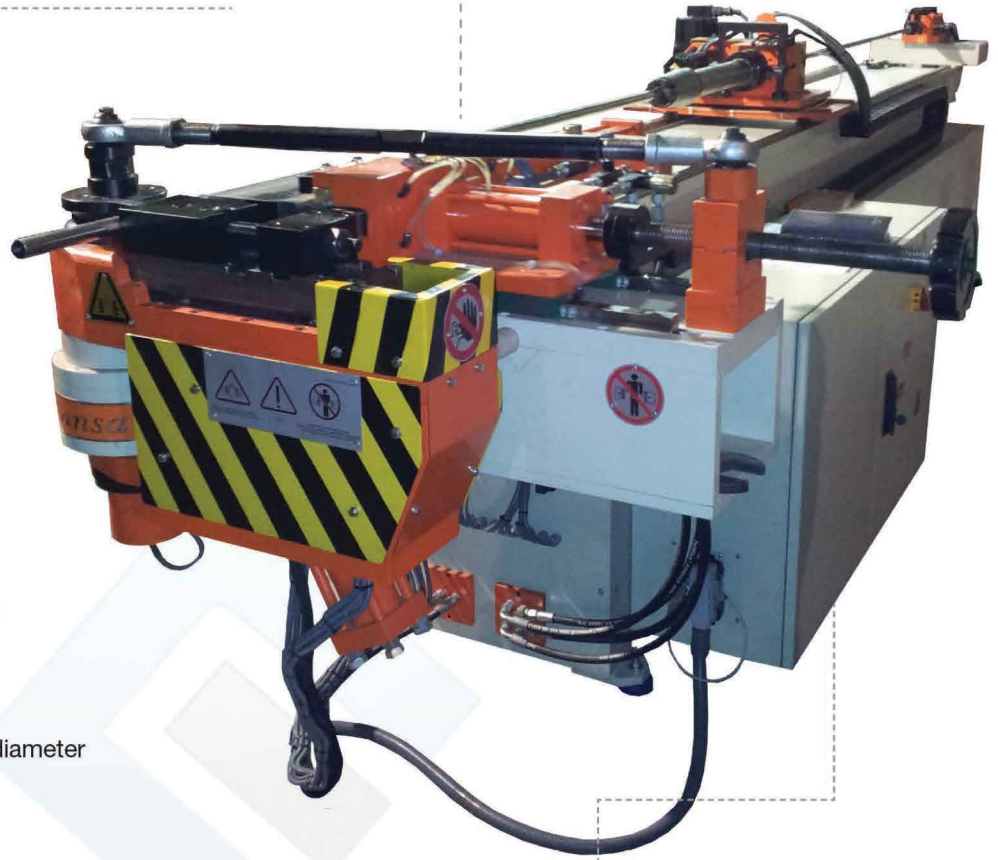
Bending Group



Automatic mandrel and pressure die lubrication system



Machine Model: CNC38 R1



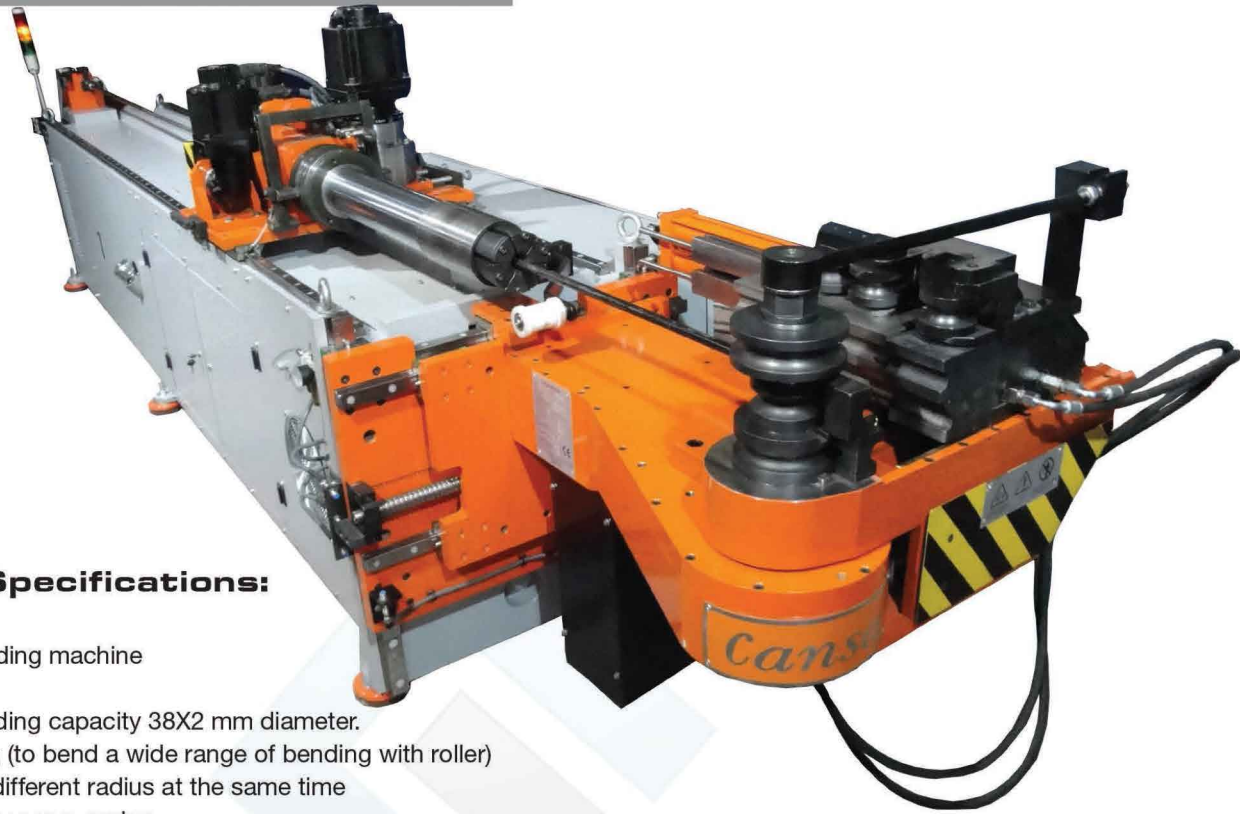
Technical Specifications:

- CNC tube bending machine
- PLC kontrol
- Maximum bending capacity 38X3 mm diameter
- Feeding axis by servo motor
- Rotation axis by servo motor
- Bending axis by hydraulic valves
- Hydraulic clamp
- Hydraulic pressure die
- Hydraulic mandrel
- Hydraulic support
- Hydraulic clow collet
- Hydraulic clamp system with bottom clamping
- Max. 190 bending angle
- Bending degree with encoder
- Automatic mandrel lubrication
- Timed automatic lubrication for working components
- Automatically activated hydraulic oil cooler and double fans
- 15" PC touch screen
- 3D simulation
- Manual, semi-automatic or automatic operation on the screen
- Working without mandrel
- To see daily / total amount of production on the screen
- To follow error messages on the screen and on the watch page
- Calculation of the length of tube or profile
- Foot pedal or button control optionally
- To record programmes on the memory
- Total motor power 18 kw
- Mandrel length 3250 mm.
- Max. hydraulic pressure 160 bar
- Security warning light
- Safety plate on the front and back of the bending head
- Supported bend arm and bottom arm
- Electrical panel safety lock and panel lock with key
- Two years guarantee; technical service and training confidency by CANSA MAKINA
- Suitable for CE



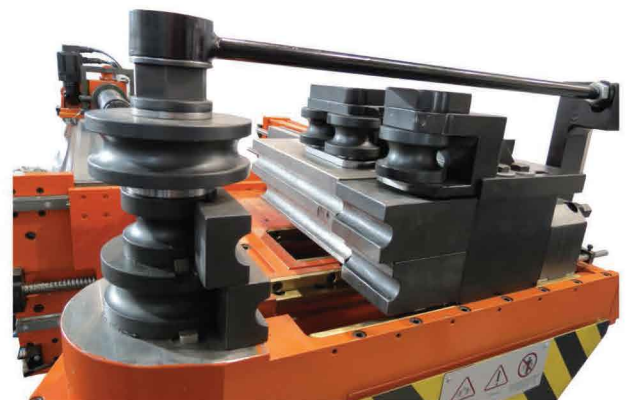


Machine Model: CNC38 R3



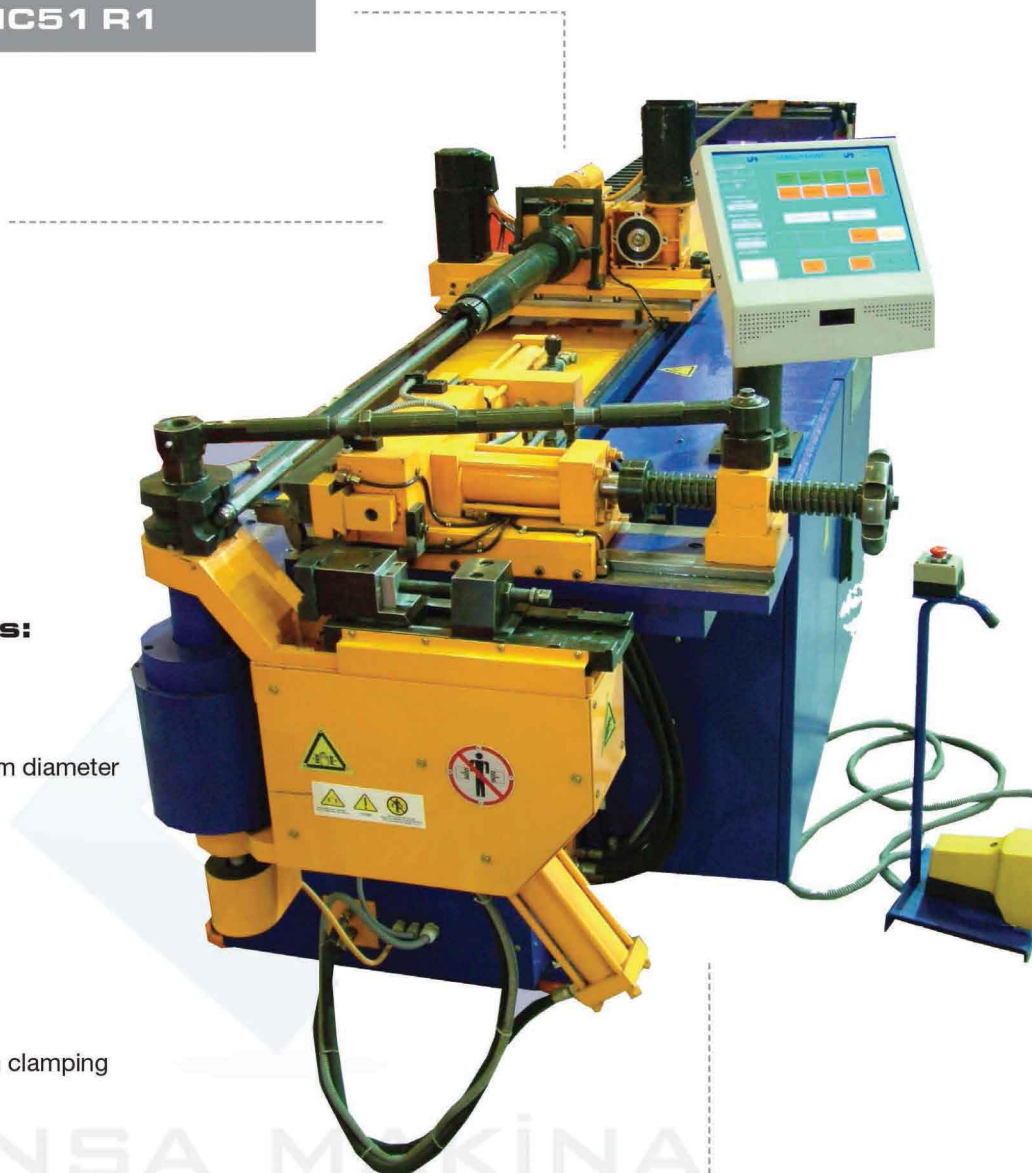
Technical Specifications:

- CNC tube bending machine
- PLC control
- Maximum bending capacity 38X2 mm diameter.
- To make rolling (to bend a wide range of bending with roller)
- To work three different radius at the same time
- Bending axis by servo motor
- Feeding axis by servo motor
- Rotation axis by servo motor
- Mold axis by servo motor
- Hydraulic clamp
- Hydraulic pressure die
- Hydraulic mandrel
- Hydraulic support
- Hydraulic clow collet
- Hydraulic up-down movement
- Timed automatic lubrication for working components
- Automatic mandrel lubrication
- Max. 190 bending angle
- Bending degree with encoder
- Automatically activated hydraulic oil cooler and double fans
- 15" PC touch screen
- 3D simulation
- Manual, semi-automatic or automatic operation on the screen
- To see daily / total amount of production on the screen
- To follow error messages on the screen and on the watch page
- Calculation of the length of tube or profile
- Foot pedal or button control, optionally
- To record programmes on the memory
- Mandrel length 3500 mm.
- Max. hydraulic pressure 140 bar
- Total motor power 23 kw
- Security warning light
- Safety plate on the front and back of the bending head
- Supported bend arm and bottom arm
- Electrical panel safety lock and panel lock with key
- Two years guarantee; technical service and training confidency by CANSA MAKINA
- Suitable for CE





Machine Model: CNC51 R1

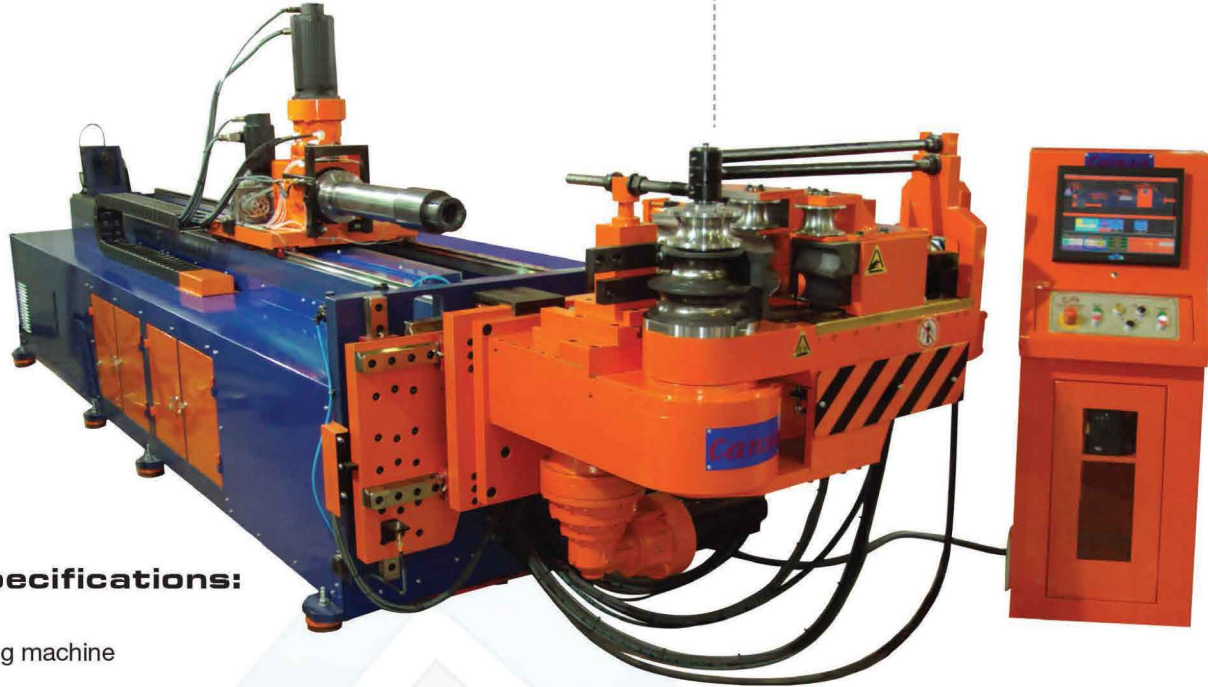


Technical Specifications:

- CNC tube bending machine
- PLC control
- Maximum bending capacity 51X3 mm diameter
- Feeding axis by servo motor
- Rotation axis by servo motor
- Bending axis by hydraulic valves
- Hydraulic clamp
- Hydraulic mandrel
- Hydraulic pressure die
- Hydraulic support
- Hydraulic clow collet
- Hydraulic clamp system with bottom clamping
- Max. 190 bending angle
- Bending degree with encoder
- Automatic mandrel lubrication
- Timed automatic lubrication for working components
- Automatically activated hydraulic oil cooler and double fans
- 15" PC touch screen
- 3D simulation
- Manual, semi-automatic or automatic operation on the screen
- Working without mandrel
- To see daily / total amount of production on the screen
- To follow error messages on the screen and on the watch page
- Calculation of the length of tube or profile
- Foot pedal or button control optionally
- To record programmes on the memory
- Total motor power 18 kw
- Mandrel length 3500 mm.
- Max. hydraulic pressure 160 bar
- Security warning light
- Safety plate on the front and back of the bending head
- Supported bend arm and bottom arm
- Electrical panel safety lock and panel lock with key
- Two years guarantee; technical service and training confidenciy by CANSA MAKINA
- Suitable for CE



Bottom Clamping

**Machine Model: CNC60 R3****Technical Specifications:**

- CNC tube bending machine
- PLC control
- Maximum bending capacity 60X3 mm diameter
- To make rolling (to bend a wide range of bending with roller)
- To work three different radius at the same time
- Bending axis by servo motor
- Feeding axis by servo motor
- Rotation axis by servo motor
- Mold axis by servo motor
- Hydraulic clamp
- Hydraulic mandrel
- Hydraulic pressure die
- Hydraulic support
- Hydraulic clow collet
- Hydraulic up-down movement
- Max. 190 bending angle
- Bending degree with encoder
- Automatically activated hydraulic oil cooler and double fans
- Timed automatic lubrication for working components
- Automatic mandrel lubrication
- 15" PC touch screen
- 3D simulation
- Manual, semi-automatic or automatic operation on the screen
- To see daily / total amount of production on the screen
- To follow error messages on the screen and on the watch page
- Calculation of the length of tube or profile
- Foot pedal or button control optionally
- To record programmes on the memory
- Mandrel length 3900 mm.
- Max. hydraulic pressure 180 bar
- Total motor power 25 kw
- Security warning light
- Safety plate on the front and back of the bending head
- Supported bend arm and bottom arm
- Electrical panel safety lock and panel lock with key
- Two years guarantee; technical service and training confidency by CANSA MAKİNA
- Suitable for CE

**Bending Group**

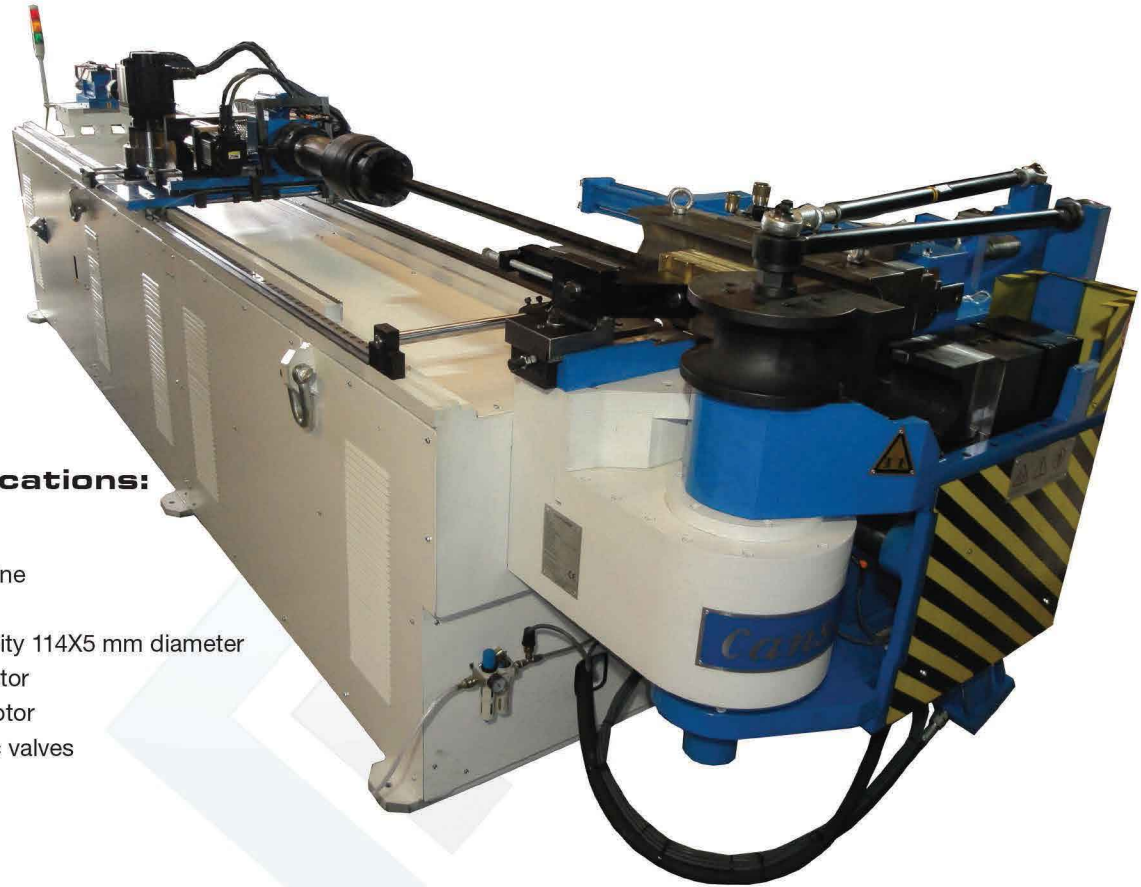


Machine Model: CNC76 R1

Technical Specifications:

- CNC tube bending machine
- PLC control
- Maximum bending capacity 76X4 mm diameter
- Feeding axis by servo motor
- Rotation axis by servo motor
- Bending axis by hydraulic valves
- Hydraulic clamp
- Hydraulic mandrel
- Hydraulic pressure die
- Hydraulic support
- Hydraulic clow collet
- Timed automatic lubrication for working components
- Automatic mandrel lubrication
- Max. 190 bending angle
- Bending degree with encoder
- Hydraulic clamp system with bottom clamping
- Automatically activated hydraulic oil cooler and double fans
- 15" PC touch screen
- 3D simulation
- Manual, semi-automatic or automatic operation on the screen
- Working without mandrel
- To see daily / total amount of production on the screen
- To follow error messages on the screen and on the watch page
- Calculation of the length of tube or profile
- Foot pedal or button control optionally
- To record programmes on the memory
- Mandrel length 3700 mm.
- Max. hydraulic pressure 210 bar
- Total motor power 35 kw
- Security warning light
- Safety plate on the front and back of the bending head
- Supported bend arm and bottom arm
- Electrical panel safety lock and panel lock with key
- Two years guarantee; technical service and training confidency by CANSA MAKINA
- Suitable for CE




Machine Model: CNC114R1

Technical Specifications:

- CNC tube bending machine
- PLC control
- Maximum bending capacity 114X5 mm diameter
- Feeding axis by servo motor
- Rotation axis by servo motor
- Bending axis by hydraulic valves
- Hydraulic clamp
- Hydraulic mandrel
- Hydraulic pressure die
- Hydraulic support
- Hydraulic clow collet
- Timed automatic lubrication for working components
- Automatic mandrel lubrication
- Max. 190 bending angle
- Bending angle with encoder
- Hydraulic clamp system with bottom clamping
- Automatically activated hydraulic oil cooler and double fans
- 15" PC touch screen
- 3D simulation
- Manual, semi-automatic or automatic operation on the screen
- Working without mandrel
- To see daily / total amount of production on the screen
- To follow error messages on the screen and on the watch page
- Calculation of the length of tube or profile
- Foot pedal or button control optionally
- To record programmes on the memory
- Mandrel length 4000 mm.
- Max. hydraulic pressure 240 bar
- Total motor power 35 kw
- Security warning light
- Safety plate on the front and back of the bending head
- Supported bend arm and bottom arm
- Electrical panel safety lock and panel lock with key
- Two years guarantee; technical service and training confidency by CANSA MAKINA
- Suitable for CE

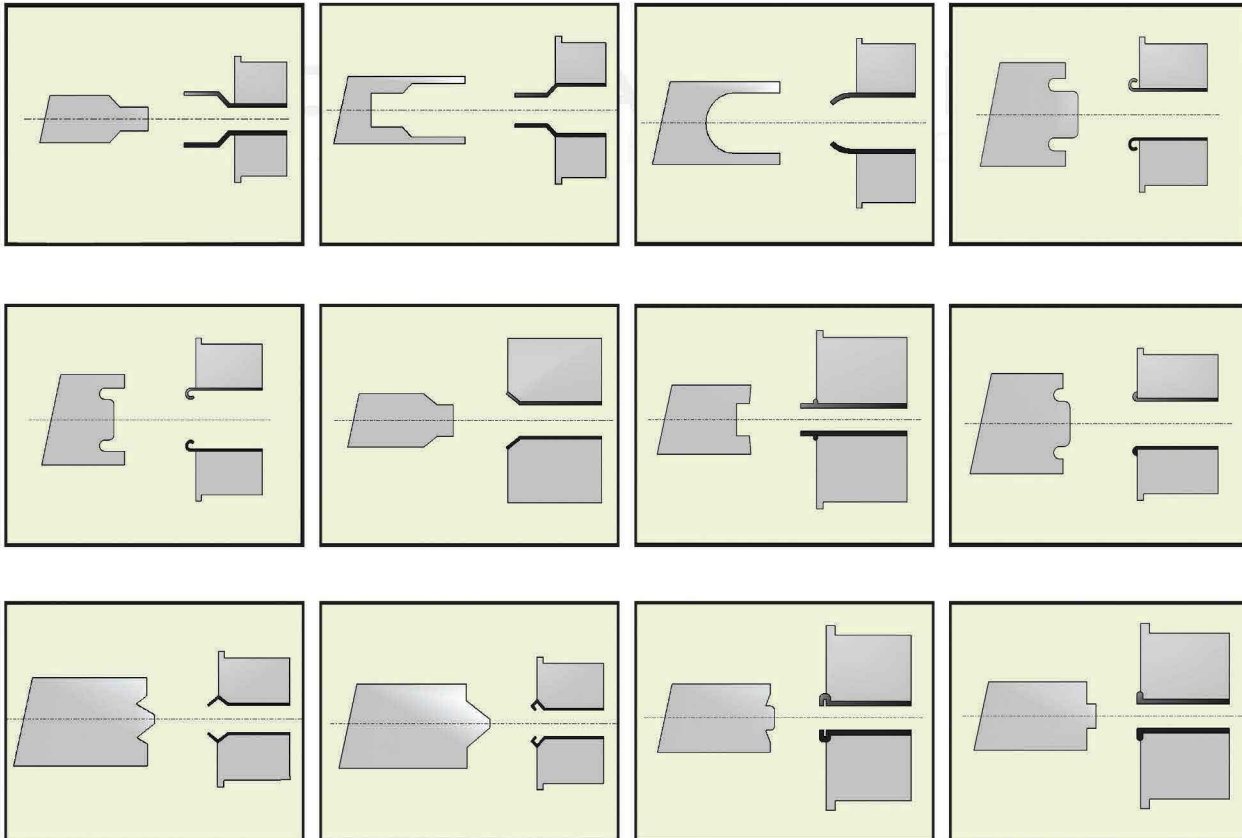




Machine Model: End - Forming Machine

Technical Specifications:

- NC system tube end - forming machine
- Maximum 38X2 mm diameter & 76X3 mm
- Hydraulic clamp
- Hydraulic forming
- 3.2" color touch screen
- Manual or automatic operation on the screen
- To see daily / total amount of production on the screen
- To control the forming times of moving parts and to hold them desired pressure on the screen
- Foot pedal or button control (optionally)
- Ability to record 100 different programmes
- Max. hydraulic pressure 150 bar
- Motor power 7.5 kw
- Electrical panel safety lock and panel lock with key
- Two years guarantee; technical service and training confidency by CANSA MAKINA
- Suitable for CE




Machine Model: Profile - Pipe Punching Machine
PDM 1500

Technical Specifications:

- CNC profile and pipe punching machine
- Maximum pipe diameter 90 mm
- Maximum profile size 40X80 – 60X60 mm
- Very precise progress with servo motor and planet reduction gear
- Hydraulic punching
- 15 tons hydraulic press
- Total motor power 5 kw
- Pneumatic profile-pipe retaining clamp
- Blowing at the core automatically and burr throw
- Automatically activated hydraulic oil cooler and fan
- Timed automatic lubrication for working components
- Switch adjustable hydraulic press
- CNC system and 3.2" touch screen
- Manual or automatic operation on the screen
- To see daily/total amount of production on the screen
- To follow error messages on the screen and on the watch page
- Foot pedal or button control optionally
- Ability to record programmes
- Standard machine length for punching 3000 mm
- Maximum hydraulic pressure 160 bar
- Electrical panel safety lock and panel lock with key
- Two years guarantee; technical service and training confidency by CANSA MAKİNA
- Suitable for CE,


GENARAL SPECIFICATIONS

Profile and pipe punching machine, especially to industrial shelving, is constantly used in various sectors. It has a function of making holes without burr on the surface of pipes or profiles which leads to distinguish itself from the other machines. A high operating speed of the machine is the most important reason for preference. This machine can open over 400 holes per minute according to the type of material, size of the holes and the punching holes.

This machine is driven by servo motor. Servo motor torque control in the jam with a burr and mandrel crushing problems are eliminated in case of damage to the machine.

Profile and pipe punching machine is controlled by PLC. It's programmed by the color touch screen. Measurements and studies of the products being stored in the machine information and can be used again if prompted





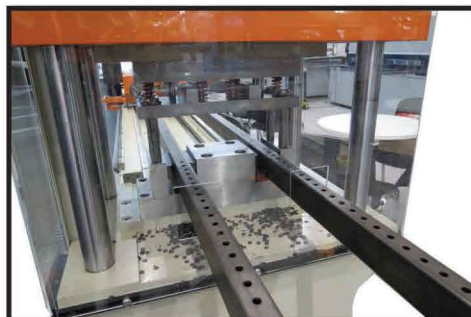
Machine Model: Profile - Pipe Punching Machine

PDM 3000

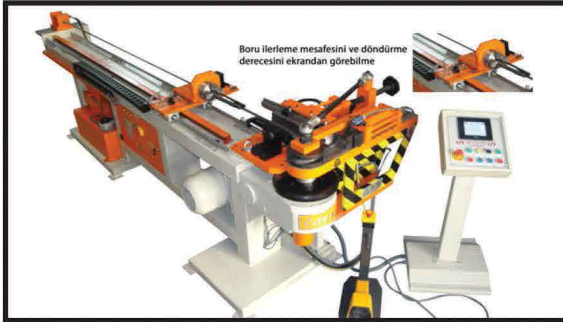


Technical Specifications:

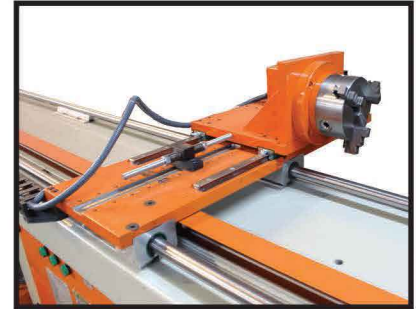
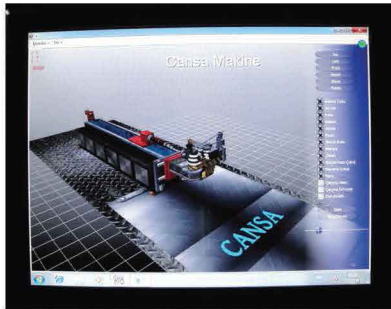
- CNC profile and pipe punching machine
- Maximum pipe diameter 90 mm
- Maximum profile size 40X80 – 60X60 mm
- Very precise progress with servo motor and planet reduction gear
- Hydraulic punching
- 30 tons hydraulic press
- Total motor power 5.5 kw
- Pneumatic profile-pipe retaining clamp
- Blowing at the core automatically and burr throw
- Automatically activated hydraulic oil cooler and fan
- Timed automatic lubrication for working components
- Switch adjustable hydraulic press
- CNC system and 3.2" touch screen
- Manual or automatic operation on the screen
- To see daily/total amount of production on the screen
- To follow error messages on the screen and on the watch page
- Foot pedal or button control optionally
- Ability to record programmes
- Standard machine length for punching 3000 mm
- Maximum hydraulic pressure 190 bar
- Electrical panel safety lock and panel lock with key
- Two years guarantee; technical service and training confidency by CANSA MAKINA
- Suitable for CE,



Options

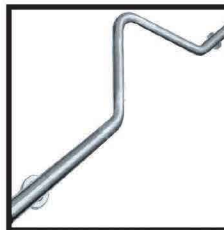
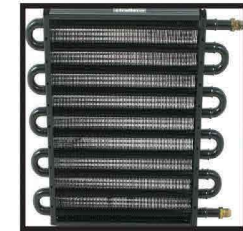


- Ability to see the distance of pipe progress and rotation degree on the screen
- Support Apparatus
- Hydraulic Booster



- Simulation
- Safety Mat
- Manual carriage and rotation

Uses





Technical Specifications

MANUAL Pipe Bending CM MODELS

| | CM 32 | CM42 | CM51 | CM 76 |
|--------------------------|-------|-------|-------|-------|
| Max. Pipe diameter (mm) | 32 | 42 | 51 | 76 |
| Max. Wall thickness (mm) | 2 | 2 | 3 | 4 |
| Max. Bending radius (mm) | 275 | 250 | 250 | 250 |
| Max. Bending angle (°) | 190 | 190 | 190 | 190 |
| Bending speed (°/sn) | 60 | 40 | 35 | 20 |
| Motor power(kw) | 2,2 | 4,0 | 5,5 | 7,5 |
| Mandrel Length (mm) | 1650 | 2600 | 3150 | 3150 |
| Bending Accuracy | ± 0,2 | ± 0,2 | ± 0,2 | ± 0,2 |
| Weight (kg) | 220 | 750 | 1000 | 1100 |
| Length (mm) | 1950 | 3150 | 3700 | 4000 |
| Width (mm) | 850 | 1000 | 1000 | 1000 |
| Height (mm) | 925 | 1050 | 1050 | 1050 |

Hydraulic Pipe Bending CMH (GEAR HYDRAULIC) MODELS

| | CMH 32 | CMH 42 | CMH 51 | CMH 76 | CMH 90 |
|-------------------------------|--------|--------|--------|--------|--------|
| Max. Pipe diameter (mm) | 32 | 42 | 51 | 76 | 89.9 |
| Max. Wall thickness (mm) | 2 | 2 | 3 | 4 | 4 |
| Max. Bending radius (mm)CLR | 275 | 225 | 225 | 250 | 250 |
| Max. Bending angle(°) | 190 | 190 | 190 | 190 | 190 |
| Bending speed(°/sn) | 60 | 40 | 35 | 20 | 15 |
| Motor power(kw) | 2,2 | 4 | 5,5 | 7.5. | 11 |
| Hydraulic motor power (kw) | 2,2, | 3 | 5.5. | 5.5. | 7.5. |
| Total motor power | 4.4. | 7 | 11 | 13 | 18.5. |
| Mandrel Length (mm) | 2000 | 2600 | 3150 | 3150 | 4000 |
| Bending Accuracy | ± 0,2 | ± 0,2 | ± 0,2 | ± 0,2 | ± 0,2 |
| Oil tank capacity (L) | 80 | 80 | 100 | 110 | 120 |
| Max. Hydraulic pressure (bar) | 120 | 140 | 140 | 140 | 170 |
| Weight (kg) | 450 | 900 | 1360 | 1450 | 1500 |
| Length (mm) | 2650 | 3150 | 3850 | 3900 | 5000 |
| Width (mm) | 850 | 1400 | 1400 | 1400 | 1500 |
| Height (mm) | 1050 | 1150 | 1200 | 1300 | 1300 |

Note: Cansa Makina reserve to change models, equipments, technical specifications and colours of the machines produced by Cansa Makina without prior notice. The models offered to sale may be different from the models in the website or catalogue.



Technical Specifications

Hydraulic Pipe Bending CMH (NC-HYDRAULIC BEND) MODELS OR NC MODELS

| | CMH 32 (NC) | CMH 42 (NC) | CMH 51 (NC) | CMH 76(NC) | CMH 90 (NC) | CMH 114 (NC) | CMH160 (NC) |
|-------------------------------|-------------|-------------|-------------|------------|-------------|--------------|-------------|
| Max. Pipe diameter(mm) | 32 | 42 | 51 | 76 | 89.9 | 114.3 | 160 |
| Max. Wall thickness(mm) | 2 | 3 | 3 | 4 | 5 | 5 | 8 |
| Max. Bending radius(mm) CLR | 275 | 275 | 275 | 275 | 275 | 350 | 500 |
| Max. Bending angle(°) | 190 | 190 | 190 | 190 | 190 | 190 | 190 |
| Bending speed(°/sn) | 72 | 60 | 40 | 40 | 35 | 25 | 10 |
| Motor power(kw) | 7.5. | 11 | 15 | 15 | 22 | 30 | 36 |
| Mandrel Length (mm) | 2400 | 2400 | 3150 | 3150 | 4000 | 4000 | 6000 |
| Bending Accuracy | ± 0,1 | ± 0,1 | ± 0,1 | ± 0,1 | ± 0,1 | ± 0,1 | |
| Oil tank capacity | 100 | 120 | 140 | 160 | 160 | 180 | |
| Max. Hydraulic pressure (bar) | 140 | 140 | 160 | 210 | 220 | 240 | |
| Weight (kg) | 2000 | 2500 | 3000 | 3750 | 4000 | 5000 | |
| Length (mm) | 3400 | 3400 | 4000 | 4000 | 5000 | 5500 | |
| Width (mm) | 1200 | 1500 | 1500 | 1700 | 1850 | 2200 | |
| Height (mm) | 1100 | 1300 | 1300 | 1400 | 1400 | 1450 | |

CNC Pipe Bending MODELS

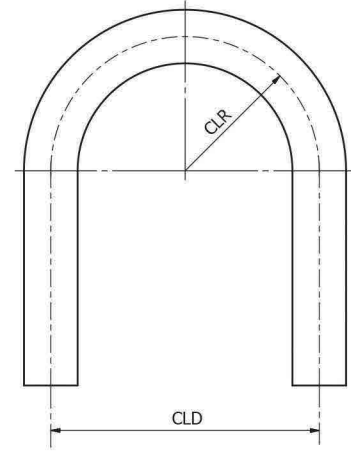
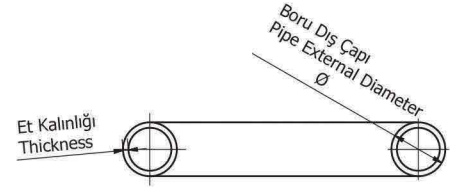
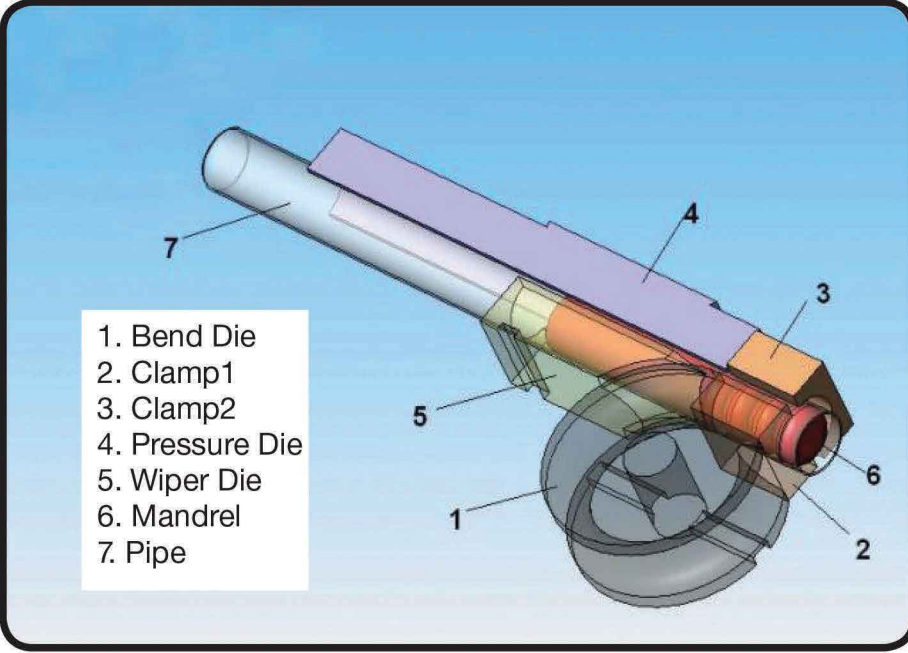
| | CNC R1 | | | | | | | |
|-------------------------------|--------|--------|--------|--------|--------|--------|---------|---------|
| | CNC 38 | CNC 42 | CNC 51 | CNC 76 | CNC 90 | CNC114 | CNC 160 | CNC 230 |
| Max. Pipe diameter(mm) | 38 | 42 | 51 | 76 | 90 | 100 | 150 | 230 |
| Max. Wall thickness(mm) | 3 | 3 | 3 | 4 | 4 | 5 | 8 | 10 |
| Max. Bending radius(mm) CLR | 250 | 250 | 250 | 250 | 250 | 300 | 400 | 500 |
| Min. Bending radius(mm) | 25 | 30 | 30 | 35 | 45 | 55 | 70 | 75 |
| Max. Bending angle[°] | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 |
| Bending speed[°(sn)] | 35 | 35 | 35 | 30 | 30 | 30 | | |
| Feeding speed (mm/sn) | 1000 | 1000 | 1000 | 800 | 800 | 500 | | |
| Rotating speed[°(sn)] | 210 | 210 | 210 | 140 | 140 | 60 | | |
| Motor power(kw) | 15 | 15 | 15 | 30 | 30 | 30 | | |
| Mandrel Length (mm) | 3250 | 3250 | 3250 | 3500 | 4000 | 4000 | 6000 | 6000 |
| Bending Accuracy | ±0.1 | ±0.1 | ±0.01 | ±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 |
| oil tank capacity | 120 | 120 | 120 | 160 | 160 | 180 | | |
| max. Hydraulic pressure (bar) | 140 | 160 | 160 | 210 | 240 | 240 | | |
| Weight (kg) | 2850 | 2850 | 3000 | 4250 | 5000 | 6000 | | |
| Length (mm) | 5000 | 5000 | 5000 | 5500 | 5750 | 6000 | | |
| Width (mm) | 1500 | 1500 | 1500 | 1700 | 1850 | 2200 | | |
| Height (mm) | 1400 | 1400 | 1500 | 1600 | 1600 | 2000 | | |

| | CNC R3 | | | |
|-------------------------------|--------|-------|--------|--------|
| | CNC 38 | CNC42 | CNC 60 | CNC 76 |
| Max. Pipe diameter(mm) | 38 | 42 | 60 | 76 |
| Max. Wall thickness(mm) | 3 | 3 | 3 | 4 |
| Max. Bending radius(mm) CLR | 200 | 200 | 250 | 250 |
| Min. Bending radius(mm) | 25 | 25 | 25 | 25 |
| Max. Bending angle(°) | 190 | 190 | 190 | 190 |
| Bending speed (°/sn) | 50 | 50 | 40 | 35 |
| Feeding speed (mm/sn) | 1000 | 1000 | 800 | 800 |
| Rotating speed (°/sn) | 210 | 210 | 140 | 140 |
| Motor power(kw) | 15 | 15 | 15 | 15 |
| Mandrel Length (mm) | 3250 | 3250 | 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) | 140 | 140 | 200 | 200 |
| Weight (kg) | 3000 | 3000 | 6000 | 6500 |
| Length (mm) | 5500 | 5500 | 6300 | 6300 |
| Width (mm) | 1600 | 1600 | 1600 | 1600 |
| Height (mm) | 2000 | 2000 | 2000 | 2000 |

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Aksesuarlar



Kalıp Ölçüleri / Bend Die Dimensions

| | |
|---|--|
| Makina Modeli / Machine Model | |
| Boru Dış Çapı / Pipe External Diameter (mm) | |
| Et Kalınlığı / Thickness (mm) | |
| Kalıp Çapı / Bend Die Diameter C.L.D (mm) | |



Bend Die



Miter Apparatus



Bend Die 2



Clamp



Support Apparatus



Wiper Die



Wiper Die 2



Pressure Die



Ball Mandrel Profile



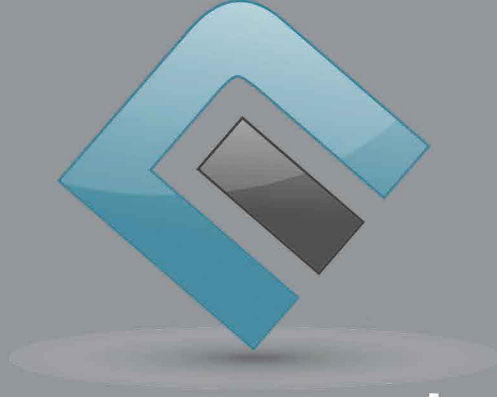
Ball Mandrel



Ball Mandrel



Clow Collet



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