

N NARGESA®

CNC PIPE BENDER

MC650CNC

 4.0 Technology

NEW



50 years
manufacturing industrial machinery



AENOR
R&D&I
MANAGEMENT
UNE 166002

HOW IT WORKS VIDEO

Video on how the machine works

GET A QUOTE

Please complete the following form. We'll contact you in less than 24 hours.

Business days

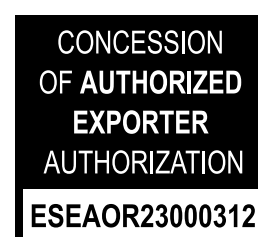
SOME OF OUR CUSTOMERS

Our customer's endorsement is our best business card



CERTIFICATES AND ACCREDITATIONS

Some of the certificates that support our processes and benefit our customers



The MC650CNC CNC tube bender comes standard with advanced radius prediction control, a speed variator, 4.0 technology, EcoMode and axle interpolation. It features a maximum bending capacity for round tubes of up to 4 inches (101.6 mm)

The all-new Nargesa MC650CNC CNC pipe bender is the perfect solution for large mass production requiring maximum repetitiveness as well as the creation of unique pieces thanks to the processing power offered by its advanced CNC control panel with a touch graphic interface. Plus, its smart predictive system for bend adjustment makes it possible to obtain the radiuses requested right away to reduce material waste by up to 90%.

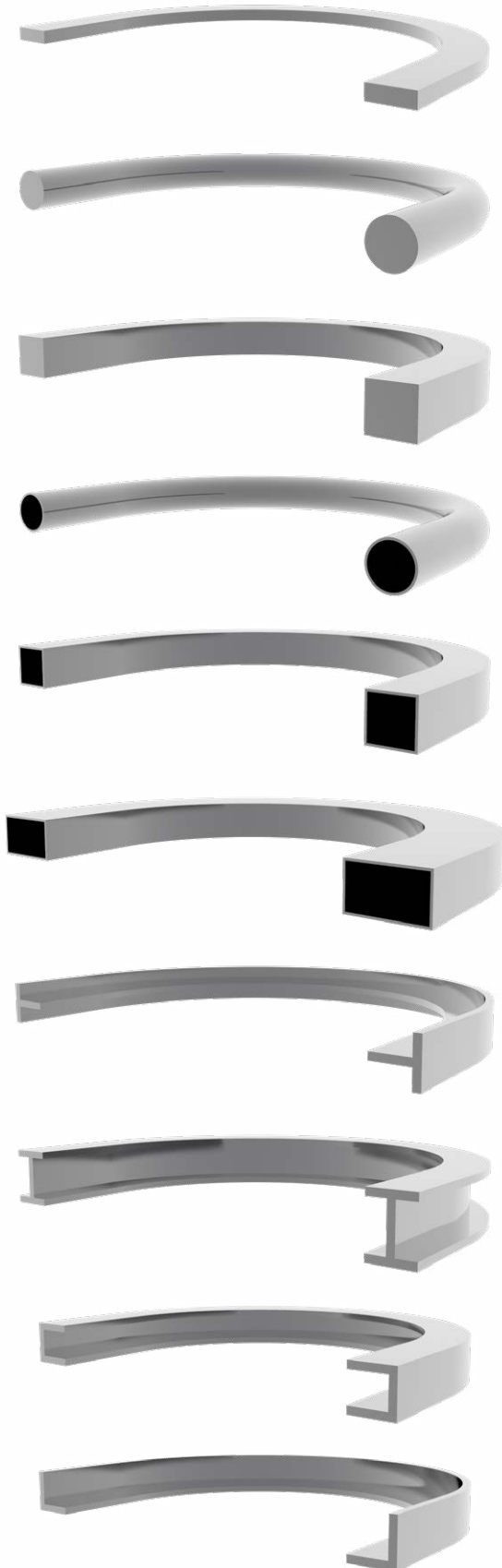


Its operating capacity and power make it the best choice for manufacturing a wide variety of industrial and structural applications: circular beams for roofs and domes, stirrups for bridges, metal pergolas, shelters, structures for tunnels, mass-produced streetlights, tree protectors, bike racks, parking bollards, fencing, greenhouses and much more.

All Nargesa products are adapted to EC industrial machinery manufacturing standards.

All our products are manufactured in our facilities in Spain. Hydraulic and electrical components are completely standard from the best European leading trademarks, with technical support all over the world: Rexroth, Bosch, Roquet, Schneider Electric, LG, Telemecanique, Pizzato...

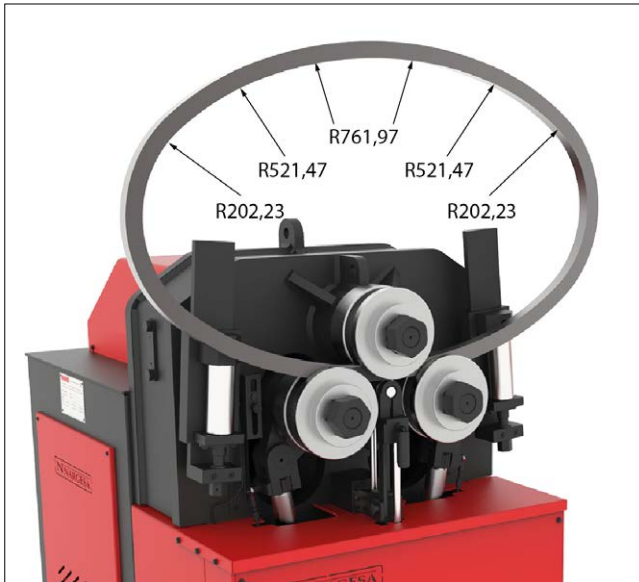
TECHNICAL FEATURES



- > **A smart predictive system** to obtain the desired radius right away.
- > **Easy to use:** Anyone with minimal knowledge can make very complex pieces with different radiuses using the all-new CNC.
- > **A library** with profiles, radiuses and rollers to choose from.
- > **Speed control and axle interpolation** for perfect results and fluid transitions between segments.
- > **Completely automatic production**, simply by pushing a button.
- > **A high-resolution encoder** with 4096 pulses and quadrature encoder for optimal position control at all times.
- > **Maximum bending capacity** for round tubes up to 4 inches (101.6 mm).
- > **9 standard rollers included**, which are suitable for round, square and rectangular pipes, for solid, UPN, IPN and T-profiles, for angles, plates and much more. Plus, optional rollers are also available for round pipes and tubes.
- > **Outside roller diameter:** 202 mm or 8 inches.
- > **Common axle characteristics:** Built in F154 steel, tempered and rectified.
- > **Useful length:** 130 mm or 5.11 inches.
- > **Diameter of the lower axles:** 65 mm or 2.56 inches.
- > **Diameter of the upper axle:** 80 mm or 3.15 inches.
- > **3 pull rollers** for a better hold and to eliminate any drag marks on the surface of the finished pieces.
- > **Safe transmission** through tempered flat pinions, avoiding the use of chains and fragile components.
- > **Electro-hydraulic drive and electronic regulation** independent of the position of the lower rollers to optimize the material, create smaller radiuses and provide the best results in all types of jobs.
- > **Adjustable roller speed:** From 3 to 8 rpm, adjustable to adapt to different materials and pipe and profile sizes.
- > **Main motor:** 3 kW / 4 CV.
- > **Hydraulic unit motor:** 0.75 kW / 1 CV.
- > **CNC ESA S625 control panel**, with a touch graphic interface.
- > **Voltage:** 230/400 V three-phase.



WHAT YOU SHOULD DO BEFORE PURCHASING A CNC PIPE AND PROFILE BENDER



Smart predictive system and axle interpolation

It calculates and obtains the desired radii right away and prevents material waste, facilitating the creation of pieces with complex geometries in just a few minutes. Unlike others that are not CNC but just NC and are dot-programmed, which makes getting the desired radii much more complicated. Axle interpolation for perfect results and fluid transitions between segments.



CNC components

High-resolution encoder: Absolute positioning control with a high-resolution 4096 impulse encoder, quadrature decoder, A+B channels, 5 Vdc, DB9 connector.

CNC bending software: Gets radii right away, axle interpolation, bend direction configuration, soft transitions, step-by-step, digital mode.

Photocell: 300 mm long-range direct reflection, PNP NO output, M12 connector.



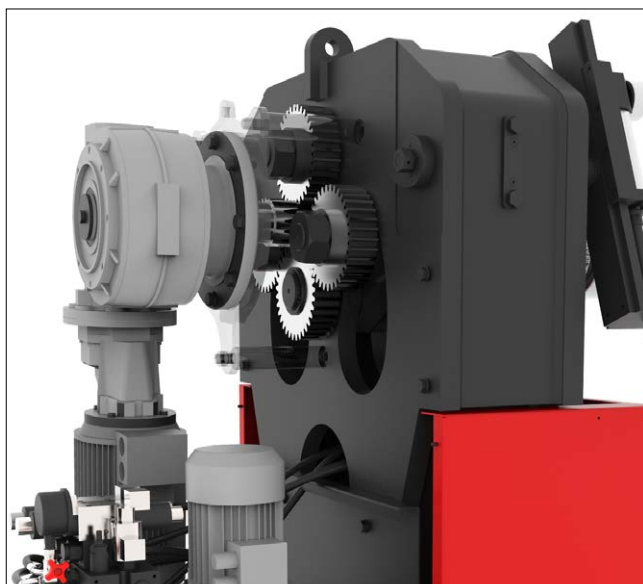
Industry 4.0

The fourth industrial revolution is coming at the hands of Nargesa, offering complete connectivity on all of its machines for an unbeatable after-sale experience. Get free updates, professional remote technical advising, real-time diagnostics and automatic preventive maintenance warnings to enhance the machine performance and avoid problems.



EcoMode function

Automatically reduces energy consumption, disconnecting the electrical parts that consume the most during periods of inactivity. This not only minimizes energy consumption, but also reinforces Nargesa's commitment to the sustainability of our planet and caring for the environment.



Robustness and power

Built to comply with the most demanding operating conditions, the all-new Nargesa MC650CNC tube and profile bender can operate full 24-hour days without any problems. Its robustness is based on its steel sheet structure, which is thermally treated at the points most subject to wear. Its power comes from an efficient reducer that transmits the movement to the axles through induction-tempered flat pinions, thus avoiding weak points.



Work in vertical and horizontal positions

The versatility of the all-new Nargesa MC650 CNC tube and profile bender makes it useful for creating small pieces as well as those with enormous radiuses. The manufacture of pieces with radiuses equal to or smaller than 750 mm can be easily done with the bender, working in a vertical position. However, for larger bend radiuses, it's best to work in a horizontal position to ensure good support and prevent the weight of the material from compromising the resulting piece. This working position is also ideal if there are any height problems at the facilities where the machine is located.



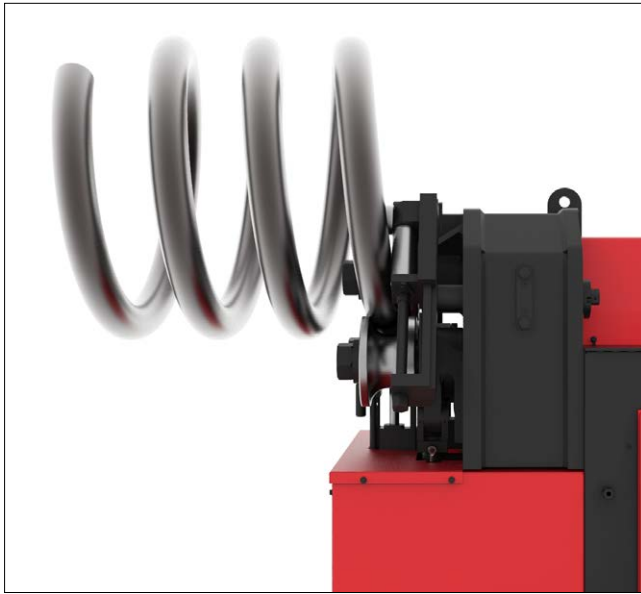
Asymmetric roller position and electronic control

Unlike pyramidal benders, the Nargesa MC650CNC asymmetric bending machine can move the two lower axes independently. This makes it possible to vary the center distances for better use of the material, which can be bent almost all the way to the ends. Likewise, the asymmetric configuration means the rollers can be practically brought together to create much smaller bend radiuses than those obtained with a pyramidal bending machine. Plus, the electronic axle position control guarantees precise radiuses.



3 pull rollers

They increase the operating speed and provide the optimal material drag, especially when bending rectangular, square or round pipes to prevent unwanted marks on the finished product as occurs on pieces created with bending machines featuring just two pull rollers due to the need to use knurled rollers for a better hold.



Side hardeners

The Nargesa MC650CNC roller stands out due to its advanced side hardener system which is capable of correcting profile bending on up to six different planes: forward, backward, upward, downward, in rotation to the left and to the right, all on the same axle. Plus, these hardeners can be adjusted to force a profile to take a spiral shape which significantly expands the design and production possibilities. It also features a built-in rotary device which is essential to being able to bend angles and determine the final radius of rolled pieces.

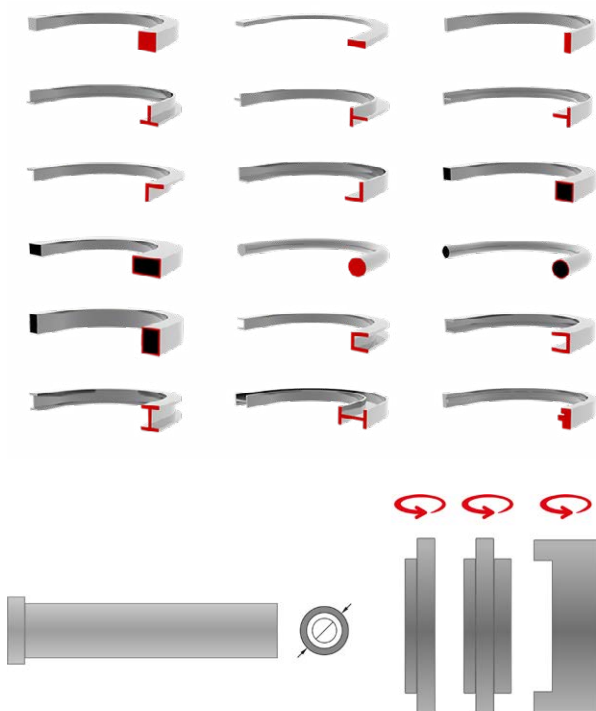


Adjustable axle positioning and bending speed

Standard in the Nargesa MC650CNC CNC bending machine, unlike other brands, the bending speed can be adapted at any time to the characteristics of the material used to optimize production without compromising the results. The speed can be brought down to practically 0 to be able to create a new program or make a complex piece. During production, it can be completely adjusted for greater productivity.

The main advantage of the Nargesa MC650CNC CNC tube bender is that it's easy to program simple as well as complex pieces with different radiuses and geometries without needing to be a professional.

We all know about the problems with finding qualified labor. It stands out due to its robust structure and high-quality components, the power of its CNC control and its compliance with the technical requirements and total connectivity required by industry 4.0, putting at the top of the podium in the three pull roller bending machine market. It's the best capacity/price choice for working with large and small-sized tubes and profiles, achieving impeccable results even under the most demanding of conditions.



CNC Control, unlike others, the bending process is so easy that no professional bender is required to do quick and precise bending. Plus, productivity has increased and the same work and even very similar bends can be easily repeated in the future.

For this purpose, it has a complete profile library and extensive editable database with pre-defined radiuses.

If that were not enough, it has a useful tool that allows you to graphically position the rollers on screen as one of the other many advantages offered by the all-new MC650CNC bending machine control and management touchscreen.



Many months have gone into testing, programming and fine-tuning to achieve the perfect "assistant" for present and future generations of operators.



Visual roller position indication

The bending machine has a visual roller position indicator for each axle, which graphically shows which rollers have been installed, their direction and arrangement for a certain piece. The ultimate objective is to achieve exceptional production repetitiveness to save time and reduce errors with programming as the arrangement of the bending machine rollers can be known even months after their creation.



Profile library

The bending machine has an extensive library with all the profiles our machine can bend. Likewise, the dimensions and thicknesses can be defined in order to know what type of material was used to do the work upon later production.



A list of pre-defined radiuses

With the idea in mind of maximum savings for our customers, a sample bar based on the work to be done can be created. By bending said bar, an unequivocal ratio between the real roller position and radius achieved is entered into the bending machine database. This allows operators to know beforehand where the rollers must be positioned in order to make known radiuses or extrapolate the data to create new radiuses based on positions already known. Moreover, any radius will soon be possible without trial and error if new values can be entered as the work is done. In other words, this saves time and very valuable material.



ESA S625 CONTROL CHARACTERISTICS

The CNC ESA S625 control panel which comes standard with the Nargesa MC650CNC CNC pipe bender features total connectivity to comply with the requirements of the industry 4.0 as well as a 7 inch color touchscreen, which combines processing power with an intuitive, easy-to-use graphic interface. **With step-by-step digital programming modes, creating a unique piece or large series based on the initial concept is super fast and easy: define the type of tube or profile, the dimensions, the material and the axle roller configuration, and then ask the control for the desired radiuses. After that, you just have to press a button to get excellent results.**

These are some of the most relevant features of this control system.

- > A smart predictive system to obtain the desired radiuses right away.
- > Storage capacity for more than 10,000 programs in step-by-step, digital mode.
- > Interpolated axle control with independent speed adjustment for soft transitions on perfect pieces without any marks.
- > Configuration of measurements in inches and millimeters.
- > A database with the available rollers, featuring addition and editing options.
- > A database for profiles, pipes and materials, featuring addition and editing options.
- > A multilingual interface with a display in more than 20 different languages.
- > Adjustable bending speeds of between 3 and 8 rpm for optimal results.
- > Manual or automatic operating mode.
- > Total connectivity to meet the requirements of industry 4.0 and receive remote technical advising and assistance anywhere in the world.
- > A 4-way joystick for rotation movements and positioning in manual model, and step-by-step programming.
- > Digital programming to more easily create the first piece.
- > A button with an indicator light for mass production.
- > On-screen alarm and status diagnostics.
- > Real-time warnings for preventive maintenance.
- > 800x480 pixel screen graphic resolution.
- > SSD storage disc with 128 MB capacity.
- > 2 analog inputs with a 12 bit ADC converter.
- > 16 digital inputs (24 Vdc).
- > 16 digital outputs (24 Vdc, 0.7 A max.), protected against overloads and short circuits.
- > Up to 3 differential encoder inputs with a TTL interface and optional external power.
- > 1 RS232 serial port with a standard DB9 connector.
- > 1 CAN port with a standard DB9 connector.
- > 24 Vdc supply voltage.
- > 1 USB port.

BENDING CAPACITY

The dimensions shown in the following table are provided for guidance only; they are directly related to the hardness and quality of the pipe or profile.



	MC150B		MC200		MC400		MC200H	
Profile	Dim.	Min. radius	Dim.	Min. radius	Dim.	Min. radius	Dim.	Min. radius
	50x10	300	50x10	300	50x10	250	60x10	200
	60x20	200	80x20	150	80x20	150	80x20	150
	25x25	200	30x30	200	30x30	150	30x30	150
	50x50x3 40x40x3	700 350	50x50x3 40x40x3	600 300	50x50x3 40x40x3	600 300	50x50x3 40x40x3	450 300
	40	200	40	200	40	150	40	200
	40	250	40	250	40	200	40	250
	40	300	40	300	40	250	40	250
	50	200	60	300	60	225	60	225
	50	250	60	300	60	225	60	225
	40	500	40	420	40	200	40	300
	25	180	30	150	30	150	30	150
	50,8x3* =2"x3* 40x2*	600 600 300	63,5x3* =2" 1/2x3* 40x2*	500 500 250	63,5x3* =2" 1/2x3* 40x2*	450 450 200	63,5x3* =2" 1/2x3* 40x2*	450 450 200

* Optional rollers



MC550 · MC550CNC

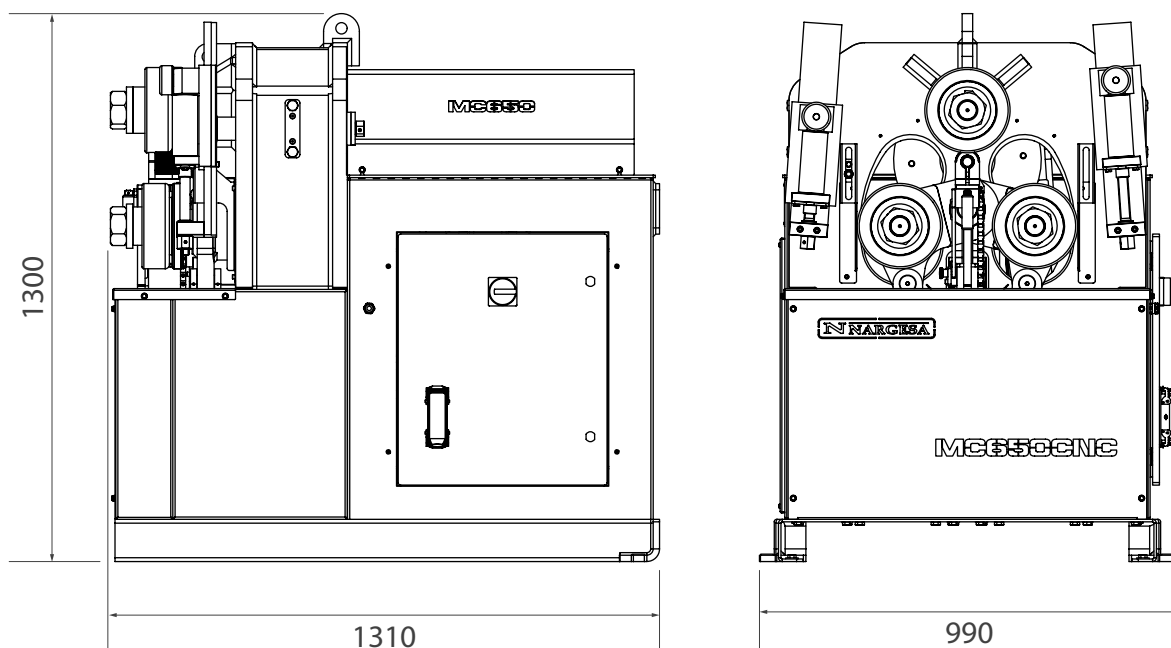
MC650 · MC650CNC

Profile	Dimensions	Min. radius	Dimensions	Min. radius
	60x15	400	100x15 80x20 60x15 50x15 20x10 ●	1250
	60x8	200		450
	50x15	350		300
	50x10	175		155
	40x8	150		140
	30x5	110		
	25x5	105		
	100x20	250	120x20 100x25 80x20	250
	80x20	200		350
	80x15	180		200
	35x35	400	45x45 40x40 25x25 ● 20x20 ●	300
	30x30	200		280
	25x25	175		200
	20x20	150		150
	15x15	150		
	60x60x3	800	70x70x4 60x60x3 40x40x3	750
	50x50x3	600		750
	35x35x3	200		300
	70x30x3	500	80x40x3 60x30x3 50x30x3	500
	60x30x3	400		300
	50x30x3	250		250
	60x60x7	300	80* 70 60 40	500
	50x50x6	250		400
	40x40x5	200		200
				150
	60x60x7	500	80* 60 40	500
	50x50x6	400		400
	40x40x5	300		150
	60x60x7	350	60x8 40x6	450
	50x50x6	300		250
	40x40x5	250		
	40x20x5	160	120* 100* 80	600
	60x30x6	200		600
	80x45x6	400		350
	80x45x6	600	120* 100* 80	700
	60x30x6	250		700
	40x20x5	200		400
	50x5 40x5	550	70x7 60x5 50x5 40x4	600
		400		400
				300
				250
	50x5*	750	50x5* 40x4*	750
	40x4*	500		500
	40	300	50 40 25	300
	35	250		200
	30	200		175
	20	130		
	76,2x3* (3"x3")	500	101,6x3,5* (=4"x3") 100x3* 88,9x4* (=3"SCH") 35x2* 20x1,5*	500
	40x2	180		500
	20x2	100		700
				120
				115

* Optional rollers

● Consult with manufacturer

OUTSIDE DIMENSIONS



PACKAGING CHARACTERISTICS

- Tariff Code: 84622900
- A lower pallet bench to easily transport the machine to the worksite or storage.
- The machine is shipped fully assembled.
- An wooden pallet and 3-layer cardboard box suitable for maritime transport.
- Optional: NIMF15 wooden container.

MC650CNC

Width	1380 mm
Length	1070 mm
Height	2090 mm
Volume	3,08 m ³
Nett weight	1305 Kg.
Gross Weight	1336 Kg.

STANDARD ACCESSORIES SUPPLIED WITH THE MACHINE

Standard rollers MC650



It's equipped with 9 standard pieces, by means of which the user can work all kinds of profiles.

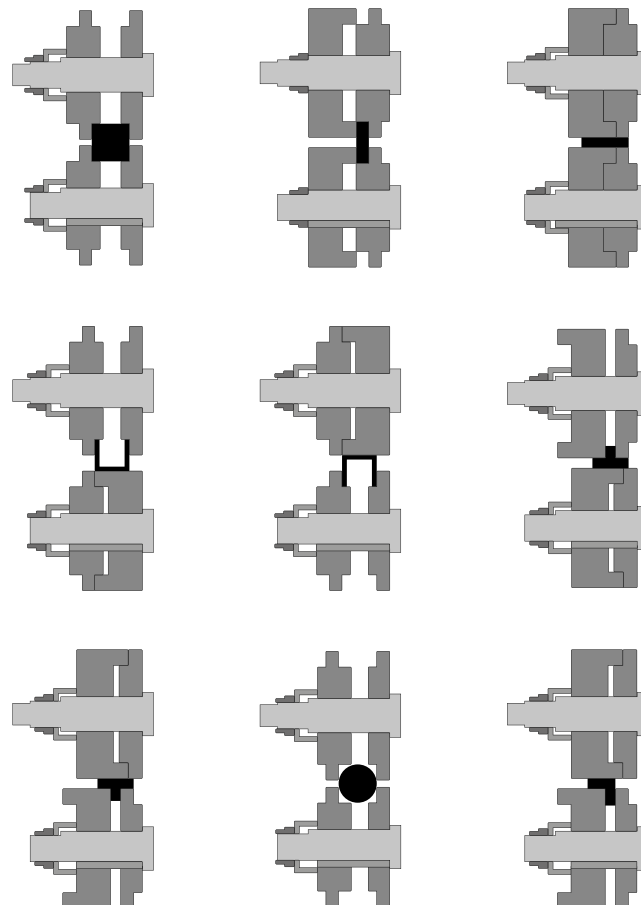
Square, rectangular pipe, solid round and square bars. U Profile, T profile, angle, flat bar, edged flat bar...



Adjustable rollers. The user may combine the set up position and it will allow bending the different profiles, adapting the sizes.

Steel rollers F155 treated and rectified.

Assembling of the rollers



High precision digital radius gauge



REF: 140-MED08-00001

The **High precision digital radius gauge** allows the user to have a direct and immediate reading of inner and outer radius in a range from 55 to 11.250 millimeters or from 2" to 443" inches.

The High precision digital radius gauge measures radii in spherical objects such as tubes, profiles and pipes in a quick and accurate way. It is really fast and easy to use! It indicates the inner or outer radius of the part we are bending ***without removing it from the machine and without needing to previously draw and cut a guide template.***

This Digital arc meter allows the direct and immediate reading of the values of the inner or outer radius in a wide range of bends.

- > **Comfort:** No need to prepare and cut a template to know the radius of a bend, it is not necessary to remove the part from the machine to measure it either. The digital radius gauge makes the job quicker and easier.
- > **Easy to use:** Its use is simple and the measurement process is very fast. We only have to place the digital radius gauge on the internal or external part of the curve and it will automatically show the value.
- > **Multi-material:** This tool is suitable for any kind of solid and consistent materials like steel, wood or plastic shapes.
- > **High precision:** Its error tolerance over the radius is 0,01mm. Precision will depend on the surface quality of the material to measure.
- > **Application scope:** This digital radius gauge is supplied with three different high precision arc meters. The use of either one or other arch meter offers a measurement range swinging from 55 to 11.250 millimeters and from 2" to 443" inches.
- > **LCD digital screen:** Comfortable reading of all data and low power consumption.
- > **Practical:** It is small and light, we can easily use it for different measurements. It is comfortable, reliable and long lasting.
- > **Storage:** We deliver it inside a stainless briefcase, with an inner foam protection to keep it safe and protect the arc meter when it is not in use. It is comfortable to carry and shock-resistant.
- > **Two units of measure:** We can select either millimeters or inches just by pressing a button.
- > **Perfect for wide radii:** Unlike other manufacturers, the High Precision Arc Meter Nargesa can measure radii up to 12m with maximum precision. For bigger radii, please consult the manufacturer.
- > **Ideal for smaller radii:** The great touch sensor length allows its use even when the inner radius to measure is very tiny.

TECHNICAL SPECIFICATIONS

- > Measurement scope: From 55 to 11.250 millimeters or from 2" to 443" Inches.
- > Error tolerance over the touch sensor: $\Delta L = 0.02\text{mm}$
- > Error tolerance over the radius: $\Delta R = (0.01 * R)\text{mm}$
- > Power supply: 3V CR2032 Lithium battery
- > Working temperature: $0 \pm 40^\circ\text{C}$
- > Storage and transport temperature: $-20^\circ\text{C} - 60^\circ\text{C}$
- > Relative humidity: $\approx 80\%$

Arc meters supplied with the High precision digital radius gauge

100 Measurement arc



The 100mm High precision arc meter is supplied along with the High precision digital radius indicator. This tool is attached to the arc meter to measure internal or external radii, amongst the following ranges:

Minimum radius: 55mm or 2"

Maximum radius: 625mm or 25"

200 Measurement arc



The 200mm High precision arc meter is supplied along with the High precision digital radius indicator. This tool is attached to the arc meter to measure internal or external radii, amongst the following ranges:

Minimum radius: 125mm or 5"

Maximum radius: 2.500mm or 99"

300 Measurement arc



The 300mm High precision arc meter is supplied along with the High precision digital radius indicator. This tool is attached to the arc meter to measure internal or external radii, amongst the following ranges:

Minimum radius: 475mm or 18"

Maximum radius: 11.250mm or 443"

OPTIONAL · 400 Measurement arc



This tool is attached to the arc meter to measure internal or external radii, amongst the following ranges:

Minimum radius: 1.150mm or 46"

Maximum radius: 20.000mm or 787"

Treated steel rollers • MC650



Rollers made of Steel F155 and treated to 62 Rc. Suitable for bending all kind of round steel or stainless steel pipes.

*Always clean up the rollers well before using stainless steel not to get the pipe contaminated.
When the tube measurements are small, two measurements are added on the same roller.*



Tube size in mm		
Reference	Dimensions	Weight
140-08-08-RHT0001	(25 + 30)	45,30 Kg.
140-08-08-RHT0002	(20 + 35)	44,80 Kg.
140-08-08-RHT0003	40	45,30 Kg.
140-08-08-RHT0004	50	40,80 Kg.
140-08-08-RHT0005	60	35,70 Kg.
140-08-08-RHT0006	70	64,70 Kg.
140-08-08-RHT0007	80	57,40 Kg.
140-08-08-RHT0008	90	49,50 Kg.
140-08-08-RHT0009	100	41,00 Kg.
For Schedule pipe		
140-08-08-RHISOT0001	$(3/8" + 1/2") = (17,2 + 21,3 \text{ mm})$	49,50 Kg.
140-08-08-RHISOT0002	$(1" + 3/4") = (33,7 + 26,9 \text{ mm})$	43,75 Kg.
140-08-08-RHISOT0003	$1" 1/4 = 42,4 \text{ mm}$	44,40 Kg.
140-08-08-RHISOT0004	$1" 1/2 = 48,3 \text{ mm}$	41,60 Kg.
140-08-08-RHISOT0005	$2" = 60,3 \text{ mm}$	35,50 Kg.
140-08-08-RHISOT0006	$2" 1/2 = 73 \text{ mm}$	62,60 Kg.
140-08-08-RHWT0007	$3" = 88,9 \text{ mm}$	50,35 Kg.
140-08-08-RHWT0008	$3" 1/2 = 101,6 \text{ mm}$	39,50 Kg.
For inches pipe		
140-08-08-RHWT0001	$(1/2" + 1" 1/4) = (12,70 + 31,75 \text{ mm})$	47,25 Kg.
140-08-08-RHWT0002	$(1" + 3/4") = (25,40 + 19,05 \text{ mm})$	48,00 Kg.
140-08-08-RHWT0003	$1" 1/2 = 38,1 \text{ mm}$	45,90 Kg.
140-08-08-RHWT0004	$2" = 50,8 \text{ mm}$	40,70 Kg.
140-08-08-RHWT0005	$2" 1/2 = 63,5 \text{ mm}$	33,70 Kg.
140-08-08-RHWT0006	$3" = 76,2 \text{ mm}$	60,20 Kg.
140-08-08-RHWT0007	$3" 1/2 = 88,9 \text{ mm}$	50,35 Kg.
140-08-08-RHWT0008	$4" = 101,6 \text{ mm}$	39,50 Kg.



Set of Steel Treated Rollers UPN-100-120mm

Set of 3 steel treated rollers for UPN mild steel or stainless steel profiles.

Always clean up the rollers well before using stainless steel not to get the pipe contaminated.

Reference	Dimensions	Weight
140-08-08-RHT0010	Adjustable from 100 a 120 mm	52,72 Kg.

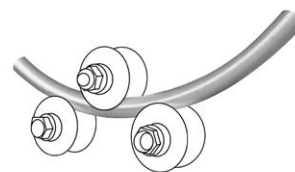
Sustarin Rollers · MC650



Rollers made of Sustarin to bend round stainless steel pipes, aluminium and delicate materials with thickness not bigger than 2.5mm.

Sustarin rollers do not damage nor get the pipe contaminated.

When the tube measurements are small, two measurements are added on the same roller.



Tube size in mm		
Reference	Dimensions	Weight
140-08-08-RI0001	(25 + 30)	9,35 Kg.
140-08-08-RI0002	(20 + 35)	9,25 Kg.
140-08-08-RI0003	40	9,30 Kg.
140-08-08-RI0004	50	8,50 Kg.
140-08-08-RI0005	60	7,60 Kg.
140-08-08-RI0006	70	6,50 Kg.
140-08-08-RI0007	80	11,80 Kg.
140-08-08-RI0008	90	10,35 Kg.
140-08-08-RI0009	100	8,80 Kg.
For Schedule pipe		
140-08-08-RIISOT0001	$(3/8" + 1/2") = (17,2 + 21,3 \text{ mm})$	10,10 Kg.
140-08-08-RIISOT0002	$(1" + 3/4") = (33,7 + 26,9 \text{ mm})$	9,00 Kg.
140-08-08-RIISOT0003	$1" 1/4 = 42,4 \text{ mm}$	9,15 Kg.
140-08-08-RIISOT0004	$1" 1/2 = 48,3 \text{ mm}$	8,65 Kg.
140-08-08-RIISOT0005	$2" = 60,3 \text{ mm}$	7,55 Kg.
140-08-08-RIISOT0006	$2" 1/2 = 73 \text{ mm}$	14,20 Kg.
140-08-08-RIWT0007	$3" = 88,9 \text{ mm}$	10,50 Kg.
140-08-08-RIWT0008	$3" 1/2 = 101,6 \text{ mm}$	8,50 Kg.
For inches pipe		
140-08-08-RIWT0001	$(1/2" + 1" 1/4) = (12,70 + 31,75 \text{ mm})$	9,65 Kg.
140-08-08-RIWT0002	$(1" + 3/4") = (25,40 + 19,05 \text{ mm})$	9,80 Kg.
140-08-08-RIWT0003	$1" 1/2 = 38,1 \text{ mm}$	9,40 Kg.
140-08-08-RIWT0004	$2" = 50,8 \text{ mm}$	8,45 Kg.
140-08-08-RIWT0005	$2" 1/2 = 63,5 \text{ mm}$	7,25 Kg.
140-08-08-RIWT0006	$3" = 76,2 \text{ mm}$	12,30 Kg.
140-08-08-RIWT0007	$3" 1/2 = 88,9 \text{ mm}$	10,50 Kg.
140-08-08-RIWT0008	$4" = 101,6 \text{ mm}$	8,50 Kg.

OUR RANGE OF BENDING MACHINES



MC150B

- > Two drive rollers.
- > Diameter of axes: 40 mm.
- > Useful axes length: 74 mm.
- > Center distance between lower axes: 230 mm.
- > Maximum capacity for bending round pipe: 2" inches or 50 mm.



MC200

- > Diameter of axes: 40 mm.
- > Useful axes length: 74 mm.
- > Center distance between lower axes: 286 mm.
- > Maximum capacity for bending round pipe: 2" 1/2 inches or 63.5 mm.



MC400

- > Three drive rollers.
- > Diameter of axes: 40 mm.
- > Useful axes length: 80 mm.
- > Maximum capacity for bending round pipe: 2" 1/2 inches or 63.5 mm.
- > Independent bending regulation of the lower rollers.



MC200H

- > Two drive rollers.
- > Diameter of axes: 40 mm.
- > Useful axes length: 74 mm.
- > Center distance between lower axes: 286 mm
- > Maximum capacity for bending round pipe: 2" 1/2 inches or 70 mm.



MC550

- > Three drive rollers.
- > Diameter of axes: 50 mm.
- > Useful axes length: 90 mm.
- > Max. capacity for bending round pipe: 3" inches (76,2 mm) or 80mm
- > Independent bending regulation of the lower rollers.



MC650

- > Three drive rollers.
- > Diameter of axes: Lower 65 mm / Upper 80 mm.
- > Useful axes length: 130 mm.
- > Maximum capacity for bending round pipe: 4" inches or 101,6 mm.
- > Independent bending regulation of the lower rollers.

CNC PIPE BENDERS



MC550CNC

- > Three drive rollers.
- > Diameter of axes: 50 mm.
- > Useful axes length: 90 mm.
- > Max. capacity for bending round pipe: 3" inches (76,2 mm) or 80mm
- > Independent bending regulation of the lower rollers.
- > A smart predictive system to obtain the desired radius right away.
- > Speed control and axle interpolation for perfect results and fluid transitions between segments.
- > A high-resolution encoder with 4096 pulses and quadrature encoder for optimal position control at all times.



MC650CNC

- > Three drive rollers.
- > Diameter of axes: Lower 65 mm / Upper 80 mm.
- > Useful axes length: 130 mm.
- > Maximum capacity for bending round pipe: 4" inches or 101,6 mm.
- > Independent bending regulation of the lower rollers.
- > A smart predictive system to obtain the desired radius right away.
- > Speed control and axle interpolation for perfect results and fluid transitions between segments.
- > A high-resolution encoder with 4096 pulses and quadrature encoder for optimal position control at all times.

OUR RANGE OF MACHINERY



IRON WORKERS



NON-MANDREL PIPE
BENDER



HORIZONTAL PRESS
BRAKES



SECTION BENDING
MACHINES



CNC SECTION BENDING
MACHINES



LASER WELDING
EQUIPMENT



TWISTING/SCROLL
BENDING MACHINES



HYDRAULIC PRESS
BRAKES



HYDRAULIC SHEAR
MACHINES



GAS FORGES



IRON EMBOSSING
MACHINES



END WROUGHT IRON
MACHINES



BROACHING MACHINES



POWER HAMMERS



BLACKSMITH FORGING
PRESS

WARRANTY

Nargesa machines have 3 years warranty provided that the customer registers it in our website. Otherwise it would be only one year warranty. This one encloses any manufacturing default all along these 3 years for components. Any misuse is excluded from this condition. Labor, back and forth shipping and any eventual repair, are not included in this warranty.

Partner companies



SHIPMENT EVERYWHERE

Nargesa will arrange transport up to final destination, whenever the customers asks for so. There is also the possibility for the customer to arrange the shipment himself with his own agency.

TECHNICAL ASSISTANCE

All our customers have access to technical support quickly and efficiently. 90% of incidences are solved out on the phone, mail, Skype or videoconferencing in less than 24hours. In case of needing presencial technical assistance, we may as well send a technician to the customer's facilities.

Follow us on

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This information might undergo changes