TWISTING / SCROLL BENDING MACHINES

MT150A

more than 40 years manufacturing industrial machinery
TWISTING / SCROLL BENDING MACHINES

Narges Scrollmakers were patented years ago by PRADA NARGESA, this makes us be a leading company in the manufacturing of this kind of machines. This is manufactured in a welded and mechanized steel monoblock. It has been conceived to work in cold steel, ideal for making all kind of pieces for the ornamental forging, balusters, scrolls, etc... Scroll bending machines used in: Window grills, alabasters, chairs, tables, doors, fences, windows... Making a lot of different shapes in square, round, tubular, handrail, flat bar profiles.

GET A QUOTE
Please complete the following form. We’ll contact you in less than 24 hours. 
Business days

HOW IT WORKS VIDEO
Video on how the machine works

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   Twitter  
   LinkedIn
MT150A

- Maximum twisting capacity 20 mm or 3/4” inch.
- Maximum bending capacity 16 mm or 5/8” inch.
- Maximum twisting and bending capacity in flat bar, clod or handrail 35X10 mm or 1 1/4”X3/8” inch.
- Possibility of buying the tooling for the machine in mm or inches.
- Maximum continuous scrolling length 960 mm.
- CNC programmer to repeat series, piece counter, automatic unbolt, memories...
- Adjustable millimeter scale on its head to make all parts the same.

MT500A

- Maximum twisting Capacity 40 mm or 1 3/8” inches.
- Maximum bending capacity: 25 mm or 1” inches.
- Maximum scrolling and bending capacity in flat bar, clod or handrail 50x10 mm or 2”x 3/8” inches.
- Possibility of buying the tooling for the machine in mm or inches.
- Maximum continuous twisting length: 1,620 mm.
- CNC programmer to make high productions.
- Adjustable rotation speed from 0 to 10 r.p.m.
TECHNICAL FEATURES

Automatic Twisting Machine Nargesa MT150A, with a piece programmer, makes all kind of pieces for the ornamental forging, balusters, scrolls, etc... Maximum twisting capacity: square 20 mm, Maximum bending capacity: square 16 mm.

> Working method by twisting and flexion in COLD.
> Machine suitable for small, medium and big production.
> Safe and reliable transmission by a motor reducer with flat treated pinions, achieving a remarkable performance and least maintenance.
> Perfect for making all kinds of ornamental standard parts and essential to make our own designs, a lot more demanded in the market. The pieces requested by architects, technicians and final customers, make it a very important tooling in a blacksmith workshop.
> In order to make this kind of special job, Nargesa provides the user with the fitting plates, under request, so the very customer can make his own designs himself.

> Maximum twisting capacity 20 mm or 3/4” inch.
> Maximum bending capacity 16 mm or 5/8” inch.
> Max twisting and bending capacity in flat bar, clod or handrail 35X10 mm or 1 1/4”X3/8” inch.
> Possibility of buying the tooling for the machine in mm or inches.
> Maximum continuous scrolling length 960 mm.
> Engine power: 0,37Kw / 0,5 HP.
> CNC programmer to repeat series, piece counter, automatic unbolt, memories...
> Adjustable millimeter scale on its head to make all parts the same.
> Electric panel command with double button, right and left, which makes it a very easy handling machine.
> 2-phased tension: 230 V. Single phased.

* All our products are manufactured in our facilities in Spain. The hydraulic and electrical components are all standard from the best leading European trademarks, with technical assistance all over the world: Rexroth, Bosch, Roquet, Schneider Electric, LG, Telemecanique, Pizzato etc...
• Tariff Item Code: 84624990
• Lower bench palletized to easily transport the machine to the workplace or store it in case of lacking space.
• The machine is shipped fully assembled.
• Pallet made of steel and 3 layer cardboard box suitable for seafreight.
• Optional: Fumigated wooden box NIMF15.

### PACKAGING CHARACTERISTICS

**MT150A**

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width</td>
<td>1800 mm</td>
</tr>
<tr>
<td>Depth</td>
<td>650 mm</td>
</tr>
<tr>
<td>Height</td>
<td>1280 mm</td>
</tr>
<tr>
<td>Volume</td>
<td>1,5 m³</td>
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<tr>
<td>Net Weight</td>
<td>260 Kg.</td>
</tr>
<tr>
<td>Gross Weight</td>
<td>290 Kg.</td>
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</table>
INCLUDED ACCESSORIES

Tooling to twist square bar 12mm and 18 mm or 1/4 and 5/8 inches Whitwort

Units per machine: 4

> Tooling made of treated steel F1140 to make twisting in 12x12mm and 18x18mm square bar or 1/4x1/4” and 5/8x5/8” Inches Whitwort, in conventional carbon steel.

REF: 120-01-01-00074 (12x12mm and 18x18mm)
REF: 125-01-01-00100 (1/4x1/4” and 5/8x5/8” inches Whitwort)

Standard tooling.

Tooling to twist square bar 14 and 16 mm or 3/8 and 1/2 inches Whitwort

Units per machine: 4

> Tooling made of treated steel F1140 to make twisting on square bar 14x14mm and 16x16mm or 3/8x3/8” and 1/2x1/2” inches Whitwort, in conventional treated carbon.

REF: 120-01-01-00075 (14x14mm and 16x16mm)
REF: 125-01-01-00101 (3/8x3/8” and 1/2x1/2” inches Whitwort.

Standard tooling.

Tooling to twist square bar 20mm and flat bar 35x10 mm or 3/4” and 1 1/4”x3/8” inches Whitwort

Units per machine: 4

> Tooling made of treated steel F1140 to make twisting on square 20x20mm and Flat bar 35x10mm or 3/4x3/4” and 1 1/4”x3/8” Inches Whitwort, in conventional carbon steel.

REF: 120-01-01-00076 (20x20mm and 35x10mm)
REF: 125-01-01-00102 (3/4x3/4” and 1 1/4”x3/8”Inches Whitwort)

Standard Tooling.
Tooling for rings of 80mm.

REF: 130-01-01-00124

> Tooling made of steel F1140 to make rings with inner diameter 80mm either in round or square bar.
> The spiral is cut and various rings can be obtained to be put between the balusters.

Ring internal diameter: 80mm.
Maximum capacity: round or square 16mm.

Standard tooling.

Tooling for braiding round bars

REF: 120-01-01-00085

> Tooling made of treated steel F1140 to make braids using round rods, maximum three rods of 8mm diameter each.

Maximum capacity: 3 of 8mm.

Standard tooling.

Spiral tooling diameter 120mm

REF: 120-01-01-00060

> Tooling made of treated steel F1140 to make the second operation of the spiral in flat bar, square or round.
> Maximum 10mm thickness.

Scroll external diameter: 120mm.
Maximum capacity: 40x8mm

Standard tooling.
Start spiral die diameter 100mm

REF: 120-01-01-00093

> Tooling made of treated steel F1140 to make the start of the spiral in flat bar, square or round.
> Maximum 16mm thickness.

Scroll external diameter: 100mm.
Maximum capacity: 40X10mm.

Standard Tooling.

Spiral tooling diameter 220mm

REF: 130-01-01-00125

> Tooling made of treated steel F1140 to make the second operation of the spiral in flat bar, square or round.
> Maximum 16mm thickness.

Scroll external diameter: 220mm.
Maximum capacity: 40x10mm

Standard tooling.

Tooling for links and hooks

REF: 120-01-01-00110

> Microfusion treated tooling to make all kinds of folding operations, hooks, links, hooks, chains, etc.
> Flat bar 40x10mm
> It folds all kind of material.

Maximum capacity: 16mm round or square.

Standard tooling.
Starting die for spiral diameter 80mm

**REF:** 120-01-01-00094

> Tooling made of treated steel F1140 to make the start of the spiral in flat bar, square or round.
> Maximum 10mm thickness.

**Scroll external diameter:** 80mm.
**Maximum capacity:** 40x8mm

*Standard Tooling.*

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**OPTIONAL TOOLING**

Flat Bent Rings Tooling Interior Diameter 96,100,110mm

**REF:** 140-01-01-00001

> Steel tooling to make bents in round and square, called British rail.

*Optional tooling.*

<table>
<thead>
<tr>
<th>Internal diameter</th>
<th>Maximum capacity</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>96,100,110mm</td>
<td>16mm round or square</td>
<td>10 Kg.</td>
</tr>
</tbody>
</table>

Belly top rail in tooling diameter 225mm

**REF:** 140-01-01-00002

> Tooling to make the Belly Top railing Style, very used in balconies and windows.

*Optional Tooling.*

<table>
<thead>
<tr>
<th>Internal diameter</th>
<th>Maximum capacity</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>225mm</td>
<td>16mm round or square</td>
<td>12 Kg.</td>
</tr>
</tbody>
</table>
**Flat bar folding tooling**

REF: 140-01-01-00003

> Tooling made of treated steel to fold flat bars, handrails or clod of all kinds.
> Bend with minimum external radios.

**Maximum capacity:** flat bar 40x10mm.
**Weight:** 3,1 kg.

*Optional tooling.*

**Edge scroll tooling**

REF: 140-01-01-00004

> Tooling made of treated steel to make edged scrolls or edged spirals in order to give it a different aspect, it’s very used in some countries.

**Maximum capacity:** 16mm round or square
**Weight:** 0,75 kg

*Optional tooling.*

**Baskets tooling MT150A**

REF: 140-01-01-00005

> Tooling to make ornamental baskets of all kinds in different sizes, in round or square bars.
> Available tooling for millimeter and inch square sizes

**Maximum capacity:** 4mm in square or 10mm in round bars.
**Weight:** 45kg.

*Optional tooling.*
OUR RANGE OF MACHINERY

- Iron Workers
- Section Bending Machines
- Non-Mandrel Pipe Bender
- Horizontal Press Brakes
- Twisting/Scroll Bending Machines
- Hydraulic Press Brakes
- Hydraulic Shear Machines
- Gas Forges
- Iron Embossing Machines
- End Wrought Iron Machines
- Broaching Machines
- Power Hammers
- Presses for Locks
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 video-conferencing in less than 24 hours. In case of needing presencial technical assistance, we may as well send a technician to the customer’s facilities.