HEAVY DUTY MANDRELESS & MANDREL BENDERS

Includes Calculation Screens & Limit warnings.
Up to 99 programs and impressive cycle times.

FEATURES

- All Steel Construction is Heavier for maximum versatility and safety. NO Cast frames!
- Adjustable Bend Angle and spring-back Preset Digital control with memory
- Manual - Automatic function allows Automatic bend & return with one command
- Bends up to 180° in one Step
- Quick Change Tooling
- Standard & Custom Formers Available
- Wide Range of Bending Radii: ETM-60HD: 2" to 10", ETM-80HD: 1/2" to 16", ETM-90HD: 2.5" to 19", ETM-120HD: 2.5" to 19", ETM-150HD: 2.5" to 19"

www.carellcorp.com
ETM-60HD TUBE/PIPE BENDER
99 Bending Programs - Auto Cycle

EXTRAORDINARY FEATURES

All Steel Construction
Heavier than other makes of tube benders for maximum versatility and safety. **NO Cast frame components!**

Adjustable Bend Angle Preset
By means of PLC push button control with memory

Manual - Automatic: Auto function allows automatic bend & return with one command, programmable dwell time after bend/before return to allow part extraction

Bends up to 180° in one Step
Quick Change Tooling
Wide Range of Bending Radii:
From 2" to 10" as tooling types permit

Standard Accessories:
Service tools, main arbor, instruction manual (tooling optional)

SPECIFICATIONS:

- **Cycle Speed**: 4 seconds /90 no load / 3.5 rpm
- **Max. Bend Angle**: 180 degrees + spring back
- **Speed Reduction**: Oil Bath with solid stock gears
- **Motor Power**: 2.75 HP. Self Braking TEFC 3 Phase 220V*
- **Weight**: 418 LBS without tooling

Machine Requires 220V Three Phase Power - To Run on single phase requires an ample sized Rotary Phase Converter at least with 10HP Rating Hard Starting load.

MAXIMUM BENDING CAPACITY

<table>
<thead>
<tr>
<th>Material</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pipe</td>
<td>1-1/2&quot; Sch. 40 Pipe</td>
</tr>
<tr>
<td>Tube</td>
<td>2.25&quot; x 0.135&quot;</td>
</tr>
<tr>
<td>Round Bar</td>
<td>1.25&quot;</td>
</tr>
<tr>
<td>Square Tube</td>
<td>1.25&quot;</td>
</tr>
</tbody>
</table>

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TEL: 251-937-0948 • FAX: 251-937-0957
P.O. Box 850 Stapleton, AL 36578

Rev 02.01.2022
ETM-80HD TUBE/PIPE BENDER
99 Bending Programs - Auto Cycle

All Steel Construction
Heavier than other makes of tube benders for maximum versatility and safety. **NO Cast frame components!**

Adjustable Bend Angle Preset
By means of PLC push button control with memory

Manual - Automatic: Auto function allows automatic bend & return with one command, programmable dwell time after bend/before return to allow part extraction

Bends up to 180° in one Step
Quick Change Tooling
Wide Range of Bending Radii:
From 2" to 16" as tooling types permit

Standard Accessories:
Service tools, main arbor, instruction manual (tooling optional)

Includes Calculation Screens & Limit warnings. Up to 99 programs and impressive cycle times.

**SPECIFICATIONS:**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cycle Speed</td>
<td>6 seconds /90 no load</td>
</tr>
<tr>
<td>Max. Bend Angle</td>
<td>180 degrees + spring back</td>
</tr>
<tr>
<td>Speed Reduction</td>
<td>Oil Bath with solid stock gears</td>
</tr>
<tr>
<td>Motor Power</td>
<td>3.5 HP. Self Braking TEFC 3 Phase 220V*</td>
</tr>
<tr>
<td>Weight</td>
<td>1210 LBS without tooling</td>
</tr>
</tbody>
</table>

Machine Requires 220V Three Phase Power - To Run on single phase requires an ample sized Rotary Phase Converter at least with 10HP Rating Hard Starting load.

**MAXIMUM BENDING CAPACITY**

<table>
<thead>
<tr>
<th>Material</th>
<th>Diameter/Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pipe</td>
<td>2-1/2” Sch. 40 Pipe</td>
</tr>
<tr>
<td>Tube</td>
<td>3” x 0.125”</td>
</tr>
<tr>
<td>Round Bar</td>
<td>1-7/8”</td>
</tr>
<tr>
<td>Square Tube</td>
<td>2-1/4” x 2-1/4” x .120” wall</td>
</tr>
</tbody>
</table>

TEL: 251-937-0947 • FAX: 251-937-0957
P.O. Box 850 Stapleton, AL 36578

Rev 07.28.2021
ETM-90HD TUBE/PIPE BENDER
99 Bending Programs - Auto Cycle

**All Steel Construction**
Heavier than other makes of tube benders for maximum versatility and safety. **NO Cast frame components!**

**Adjustable Bend Angle Preset**
By means of PLC push button control with memory

**Manual - Automatic:** Auto function allows automatic bend & return with one command, programmable dwell time after bend/before return to allow part extraction

**Bends up to 180° in one Step**

**Quick Change Tooling**

**Wide Range of Bending Radii:**
From 2.5” to 19” as tooling types permit

**Standard Accessories:**
Service tools, main arbor, instruction manual (tooling optional)

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**SPECIFICATIONS:**
- **Cycle Speed:** 3.5 seconds /90 no load
- **Max. Bend Angle:** 180 degrees + spring back
- **Speed Reduction:** Oil Bath with solid stock gears
- **Motor Power:** 4.5 H.P. Self Braking TEFC 3 Phase 220V*
- **Weight:** 1,200 LBS without tooling

Machine Requires 220V Three Phase Power - To Run on single phase requires an ample sized Rotary Phase Converter at least with 10HP Rating Hard Starting load.

**MAXIMUM BENDING CAPACITY**
- **Pipe:** 3”Sch. 40 or up to 2-1/2” Sch. 80 Pipe
- **Tube:** 3.5” x 0.216”
- **Round Bar:** 2”
- **Square Tube:** 2½” x 2½”

---

**NEW TOUCH SCREEN!**
Includes Calculation Screens & Limit warnings. Up to 99 programs and impressive cycle times.

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P.O. Box 850 Stapleton, AL 36578

Rev 02.02.2022
ETM-120HD TUBE/PIPE BENDER
99 Bending Programs - Auto Cycle

All Steel Construction
Heavier than other makes of tube benders for maximum
versatility and safety. **NO Cast frame components!**

Adjustable Bend Angle Preset
By means of PLC push button control with memory

Manual - Automatic: Auto function
allows automatic bend & return with one command,
programmable dwell time after bend/before return
to allow part extraction

Bends up to 180° in one Step
Quick Change Tooling
Wide Range of Bending Radii:
From 2.5” to 19” as tooling types permit

Standard Accessories:
Service tools, main arbor, instruction manual
(tooling optional)

Includes
Calculation Screens
& Limit warnings.
Up to 99 programs
and impressive
cycle times.

NEW
TOUCH
SCREEN!

SPECIFICATIONS:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cycle Speed</td>
<td>15 seconds /180° no load</td>
</tr>
<tr>
<td>Max. Bend Angle</td>
<td>180 degrees + spring back</td>
</tr>
<tr>
<td>Speed Reduction</td>
<td>Oil Bath with solid stock gears</td>
</tr>
<tr>
<td>Motor Power</td>
<td>4.5 H.P. Self Braking TEFC 3 Phase 220V*</td>
</tr>
<tr>
<td>Weight</td>
<td>2,315 LBS without tooling</td>
</tr>
</tbody>
</table>

Machine Requires 220V Three Phase Power - To Run on single phase requires an ample sized Rotary Phase Converter at least with 10HP Rating Hard Starting load.

MAXIMUM BENDING CAPACITY

<table>
<thead>
<tr>
<th>Material</th>
<th>Diameter/Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pipe</td>
<td>4”Sch. 40</td>
</tr>
<tr>
<td>Tube</td>
<td>5½”O.D. x 0.216” wall</td>
</tr>
<tr>
<td>Round Bar</td>
<td>3”</td>
</tr>
<tr>
<td>Square Tube</td>
<td>4¼” x 4½” x 3/16”</td>
</tr>
</tbody>
</table>

www.carellcorp.com

TEL: 251-937-0948 • FAX: 251-937-0957
P.O. Box 850 Stapleton, AL 36578
Rev 02.01.2022
ETM-150HD TUBE/PIPE BENDER
99 Bending Programs - Auto Cycle

All Steel Construction
Heavier than other makes of tube benders for maximum versatility and safety. **NO Cast frame components!**

Adjustable Bend Angle Preset
By means of PLC push button control with memory

Manual - Automatic: Auto function allows automatic bend & return with one command, programmable dwell time after bend/before return to allow part extraction

Bends up to 180° in one Step
Quick Change Tooling
Wide Range of Bending Radii:
From 2.5” to 19” as tooling types permit

Standard Accessories:
Service tools, main arbor, instruction manual (tooling optional)

**SPECIFICATIONS:**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cycle Speed</td>
<td>15 seconds/180° no load</td>
</tr>
<tr>
<td>Max. Bend Angle</td>
<td>180 degrees + spring back</td>
</tr>
<tr>
<td>Speed Reduction</td>
<td>Oil Bath with solid stock gears</td>
</tr>
<tr>
<td>Motor Power</td>
<td>7 H.P. Self Braking TEFC 3 Phase 220V*</td>
</tr>
<tr>
<td>Weight</td>
<td>5,511 LBS without tooling</td>
</tr>
</tbody>
</table>

Machine Requires 220V Three Phase Power - To Run on single phase requires an ample sized Rotary Phase Converter at least with 10HP Rating Hard Starting load.

**MAXIMUM BENDING CAPACITY**

<table>
<thead>
<tr>
<th>Material</th>
<th>Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pipe</td>
<td>6” Sch 40</td>
</tr>
<tr>
<td>Tube</td>
<td>6” O.D. x .25” wall</td>
</tr>
<tr>
<td>Round Bar</td>
<td>4”</td>
</tr>
<tr>
<td>Square Tube</td>
<td>5½” x 5½” x 15/64”</td>
</tr>
</tbody>
</table>

**Includes Calculation Screens & Limit warnings. Up to 99 programs and impressive cycle times.**