



# TUBE and PIPE BENDERS

## 1/2" to 4" Pipe **ETM SERIES**

FABRICATING MACHINERY

### HEAVY DUTY MANDRELESS & MANDREL BENDERS

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



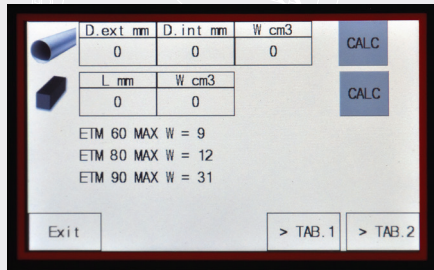
**ETM60-HD**



**ETM80-HD**



**ETM90-HD**



**ETM120-HD**



**ETM150-HD**



## 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"

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# 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)



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



#### 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

Pipe	1-1/2" Sch. 40 Pipe
Tube	2.25" x 0.135"
Round Bar	1.25"
Square Tube	1.25"

**CARELL**<sup>®</sup>  
**CORPORATION**  
 FABRICATING MACHINERY  
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**TEL: 251-937-0948 • FAX: 251-937-0957**  
 P.O. Box 850 Stapleton, AL 36578

# 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:

Cycle Speed	6 seconds /90 no load
Max. Bend Angle	180 degrees + spring back
Speed Reduction	Oil Bath with solid stock gears
Motor Power	3.5 HP. Self Braking TEFC 3 Phase 220V*
Weight	1210 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	2-1/2" Sch. 40 Pipe
Tube	3" x 0.125"
Round Bar	1-7/8"
Square Tube	2-1/4" x 2-1/4" x .120" wall



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# 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:**

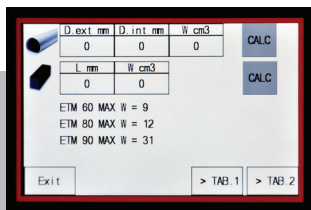
From 2.5" to 19" as tooling types permit

### Standard Accessories:

Service tools, main arbor, instruction manual (tooling optional)



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



### 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	2 1/2" x 2 1/2"



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# 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

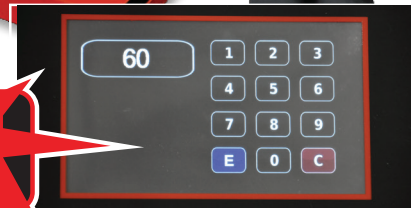
### Bends up to 180° in one Step Quick Change Tooling Wide Range of Bending Radii:

From 2.5" to 19" as tooling types permit

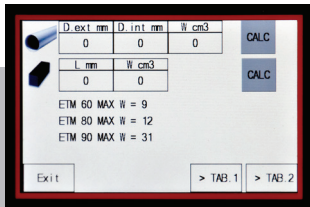
### Standard Accessories:

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:

Cycle Speed	15 seconds /180° 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	2,315 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	4"Sch. 40
Tube	5½"O.D. x 0.216" wall
Round Bar	3"
Square Tube	4¼" x 4¼" x 3/16"



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# 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:**

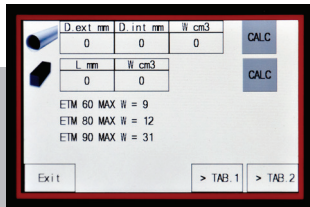
From 2.5" to 19" as tooling types permit

### Standard Accessories:

Service tools, main arbor, instruction manual (tooling optional)



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



### SPECIFICATIONS:

Cycle Speed	15 seconds /180° no load
Max. Bend Angle	180 degrees + spring back
Speed Reduction	Oil Bath with solid stock gears
Motor Power	7 H.P. Self Braking TEFC 3 Phase 220V*
Weight	5,511 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	6" Sch 40
Tube	6" O.D. x .25" wall
Round Bar	4"
Square Tube	5½" x 5½" x 15/64"



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