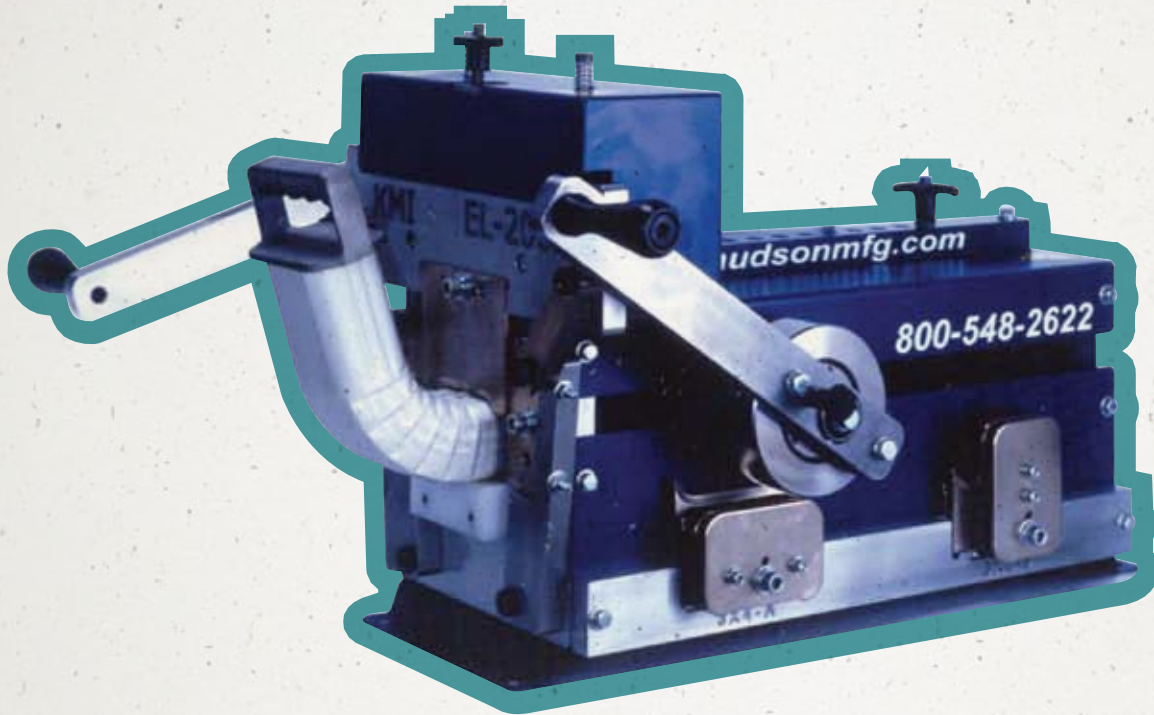


# [EL-2002]

The EL-2002 lets you make downspout elbows in 45 to 60 seconds. This reasonably priced, manually-operated machine is fast and easy to operate.



## [Elbow Profiles Produced by the EL-2002]

2x3 Standard - A and B	2.625" Square
3x4 Standard - A and B	3" Square
3x4 Small - A and B	Custom

## Profile Specifications

### Available Downspout Profiles:

- 2x3 Standard - A and B
- 3x4 Standard - A and B
- 3x4 Small - A and B
- 2.625" Square
- 3" Square
- Custom

### Profile Dimensions:

- Refer to Knudson Engineering Data or Knudson Profile Drawing for Specifications

### Material Types:

- Steel N/A
- Aluminum Painted, Pre-Finished
- Copper Bare

### Material Thickness:

- Steel N/A
- Aluminum 0.019" to 0.027"
- Copper 16 oz

### Material Strength:

- Steel N/A
- Aluminum N/A
- Aluminum Max Tensile Strength = 33-ksi (230 Mpa)  
Max Yield Strength = 28-ksi (195 Mpa)
- Copper Max Tensile Strength = 33-ksi (230 Mpa)  
Max Yield Strength = 28-ksi (195 Mpa)

### Strip Width:

- N/A

## Machine Specifications - Mechanical Systems

### Dimensions:

- Length 20.75" (525-mm)
- Width 22.75" (575-mm)
- Height 26.75" (680-mm)
- Weight 90-lbs (41-kg) with four (4) tooling sets

### Forming Details:

- Manually Operated Crimping Mechanism
  - Adjustable top and side knives, mandrel assembly, spring return to neutral position
- Manually Operated Advance Mechanism
  - Rack and pinion advance gear, locking/release pin for advance handle

### Production Speed:

- One Elbow Every 45 to 60 Seconds
- Tooling Change Approximately 10 Minutes

### Drive Train:

- N/A

### Shear Assembly:

- N/A

### Coil Handling Equipment:

- N/A

### Airborne Noise Emissions:

- Equivalent continuous A-weighted sound pressure level = less than 70 dB (A)

## Machine Specifications - Operating Environment

### Ambient Air Temperature:

- +41 to +131-deg Fahrenheit (+5 to +55-deg Celsius)
- Up to 24 hours at 122-deg Fahrenheit (50-deg Celsius)

### Humidity Range:

- No Restrictions

### Altitude Range:

- No Restrictions

### Vibration Shock and Bump:

- Minimal vehicular transport on maintained roads
- Off-road transportation not recommended

### Transportation and Storage:

- -13 to +131-deg Fahrenheit (-25 to +55-deg Celsius)
- Up to 24 hours at +158-deg Fahrenheit (+70-deg Celsius)

### Explosive Atmosphere:

- Should not be operated in any kind of explosive atmosphere