The CNC Systems from SUNRISE are plate, angle and channel positioning systems with user-friendly interfaces. Many options are available factory-installed on Dual-Cylinder Ironworker or Punching Machines with a 20" or larger throat depth. The operation is CNC controlled using an industry-leading controller featuring quick programming, offline support and a host of standard and optional features.

Ideal for base plates, connection plates, angles, channels and more.

Trilogy Machinery, Inc. is committed to bringing the highest standards of professionalism, integrity and service in order to achieve a reputation as a leader in the metal fabricating machinery industry. We believe this dedication will benefit everyone – our customers and dealers, our team members and our suppliers.
STANDARD FEATURES:

- Integrated pendant mounted controller
- 3 table sizes: 40", 80" and 120"
- German ball transfers assist plate movement
- Hi-Speed dual linear guides for both X & Y Axes
- Ultra-rigid design - Machined steel construction
- Mitsubishi servo motors
- Name-brand electric and hydraulic components for excellent machine reliability
- Fan-cooled electronic cabinet and oil cooler
- Factory-trained support staff; Parts in Maryland

Machine Pictured
SUNRISE IW-185 XY CNC
185 Tons - 8" Angle - 30" Plate
16" x 40" XY CNC Table

10.5" Color Touch-Screen Control
(15" PC Control Optional)

Angle/Channel Punching

Optional Hydraulic Punch Stripper

Machined Steel Construction

590"/Min Travel
+/- 0.004" Accuracy
The Semi-Automatic CNC positioning tables from **SUNRISE** are plate and angle positioning systems with user friendly interfaces. The CNC positioning table is available as a factory-installed option on any dual-cylinder ironworker or punching machine with a 20" or larger throat depth. The operation and programming are CNC controlled using a pendant mounted controller featuring simple programming and a virtually indestructible design. The operator simply positions the plate against the CNC-controlled X and Y stops and initiates the punch program. **Combine with a CNC Plate Shear for the ultimate processing machine!**

- Optional Hydraulic Hold-Downs
- Dual-Operator Efficiency
- Angle Punching Automation
- Channel Punching Automation
- Plate Punching Automation
The SUNRISE automatic CNC plate shear system is available as a factory-installed addition to any SUNRISE dual-cylinder ironworker. Simple touchscreen programming is standard. The CNC plate shear system dramatically reduces manual shearing time and plate positioning. The operator has full control to input material length, cut lengths and number of pieces needed. The system automatically processes the plate to length featuring knurled drive rollers, hydraulic hold-down and proximity sensors to achieve the highest quality parts. **Combine with a Semi-Automatic or Automatic Punch for the ultimate processing machine!**

“The automated systems have proven to be exceedingly useful and have saved countless thousands of man hours just in the first year of use. We run the machine (shear and punch) nearly 8 hours a day 5 days a week and it has become the main workhorse for our facility.” - D&L Supply, Utah

The automatic CNC plate shear system is available as a factory-installed addition to any SUNRISE dual-cylinder ironworker. Simple touchscreen programming is standard. The CNC plate shear system dramatically reduces manual shearing time and plate positioning. The operator has full control to input material length, cut lengths and number of pieces needed. The system automatically processes the plate to length featuring knurled drive rollers, hydraulic hold-down and proximity sensors to achieve the highest quality parts. **Combine with a Semi-Automatic or Automatic Punch for the ultimate processing machine!**

“The automated systems have proven to be exceedingly useful and have saved countless thousands of man hours just in the first year of use. We run the machine (shear and punch) nearly 8 hours a day 5 days a week and it has become the main workhorse for our facility.” - D&L Supply, Utah

**STANDARD FEATURES:**
- 20' Rack and Pinion In-Feed System
- 590” per Minute Variable Speed
- Accuracy: +/- 0.004” /Foot
- Pneumatic Material Clamp
- Hydraulic Material Hold-Down
- Mitsubishi Servo Motor
- Industrial 7” Color touch-screen controller, 150 program memory
- 2 Year Warranty

**Optional Features:**
- Punch Lubrication System
- Hydraulic Oil Cooler

**15” PC Controller**
WiFi, DXF, USB

Optional Hydraulic Punch Stripper, Triple Punch and Channel/Angle Stripper

X-Axis available from 40” to 120”

Semi and Fully-Automatic tables available!
IDEAL FOR FLAT BAR PROCESSING

Mitsubishi Servo Motor with dual encoders

Knurled drive rollers with dual proximity sensors

Standard 4’ in-feed table. Up to 40’ optional.

Touch-Screen Controller

Machine Pictured
SUNRISE IW-110SD XY CNC
110 Tons - 6” Angle - 24” Plate
16” x 120” XY CNC Table
The Fully Automatic CNC Punch Systems from SUNRISE can be factory installed on any dual-cylinder or single-end punching system allowing the most versatile punching and shearing machine on the market today.

The operator loads the flat plate, engages the hydraulic clamps and begins the automatic punching sequence. The strong servo-motors move the entire plate on both X and Y axis based on the programmed part layout and punches each hole.

At the end of the punch sequence, the table returns to the home position for the operator to remove the processed part. Combine with a Dual-Cylinder Ironworker for the ultimate plate processing machine!

**STANDARD FEATURES:**
- 20” x 40” Maximum Plate Size
- Positioning Speed up to 490” per Minute Variable Speed
- Accuracy: +/- 0.002”
- Dual .5KW – 1KW Mitsubishi Servo Motors
- 3 Hydraulic Clamps | Hydraulic Stripper
- Ball Transfers | 2 Year Warranty
- 10.5” Color Touch-Screen Controller

**Optional Features:**
- Triple Punching Attachment
- Industrial 15” PC Color Touch-Screen Control - USB - WiFi-DXF
- Auto Lubrication System
- Safety Mat

Machine Pictured
SUNRISE PM-220LT CNC
220 Tons
20” x 40” Full CNC Table
The SUNRISE APS is a fully automatic plate processing system. The Operator simply loads the flat bar onto the all-steel in-feed rollers, the system engages the plate with pneumatic clamping and squaring devices and then processes the material by automatically punching and shearing utilizing the industrial strength rack and pinion drive system.
OPERATION: Operator programs parts with integrated programs or loads DXF file from Wifi, Ethernet or USB; multiple files can be nested on the same plate; loads material onto roller table; pneumatic clamp and pneumatic material guides engage and system proceeds automatically punching and shearing. This is a complete plate processing system!

SYSTEM FEATURES:
- Rack and Pinion Drive System
- Industrial PC Touch-Screen Controller
- Dual Linear Rail Guided Y-Axis
- Hydraulic Plate Shear Hold-down
- Hydraulic Punch Stripper
- Pneumatic Material Clamp
- Pneumatic Material Guides
- Integrated Electrical Cabinet
- Anti-Twist Shear System

TECHNICAL SPECIFICATIONS:
- 40'/Minute Travel - Both Axis
- ± - 0.004"/Foot Accuracy
- 28 - 35 Strokes Per Minute*
- 12" and 20" Width Models
- 1.5" Maximum Hole Diameter*
- 0.75" Material Thickness - Triple Punch*
- 1" Material Thickness - Single Punch
- 20' - 40' Material Length*
- 220v/440v - 3 Phase Operation

Optional Features
- Material Stamp
- Auto Lubrication System
- Triple Punch

*Based on Model

Complete Base Plate
Rack and Pinion Drive System
Dual-Pneumatic Material Clamps
All-steel Construction
Nesting Ability
STANDARD FEATURES:
- 20’ Rack and Pinion In-Feed System
- 590” per Minute Variable Speed
- Accuracy: +/- 0.004”/Foot
- Pneumatic Material Clamp
- Hydraulic Stripper
- Mitsubishi Servo Motor
- Adjustable guide rollers for squareness
- Industrial 7” Color touch-screen controller with 150 programs
- 2 Year Warranty

Optional Features:
- Punch Lubrication System
- Hydraulic Oil Cooler
The SUNRISE ANC combines a punching machine in tonnages up to 220 US, with up to a 20’ single-axis fully automatic CNC in-feed system for punching flat bar, angle and channel webs.

The operator loads the material, clamps the end and aligns the punch guide. The program begins processing all holes in a linear line automatically. Furthermore, the SUNRISE ANC is expandable to a full 40’ of in-feed.

Combine with a Dual-Cylinder Ironworker for the ultimate processing machine!