

# CNC Polygon Machining Center

This CNC polygon turning machine allows for the simultaneous execution of operations such as chamfering, deburring, and boring. It is also capable of spot facing.



## ADDITIONAL IMAGES



## Overview

### High-Efficiency CNC Polygon Machining

The CXF-W60XW is a specialized CNC polygon machining center designed for high-speed mass production of small parts with 2, 4, or 6 sides. By integrating turning and polygon cutting into a single machine, it achieves exceptional concentricity and symmetry while significantly reducing production time. This versatile system supports simultaneous operations like chamfering, deburring, and boring, making it an ideal solution for complex component manufacturing.

## Key Capabilities

### Supported Operations

Polygon Cutting, Turning, Chamfering, Deburring, Boring, Spot Facing, Contouring

## Technical Features

### Axis Control System

- CNC controller with servo motors
- Z-Axis (Longitudinal slide) control
- X-Axis (Cross slide) control
- Dual rotational, single stroke operation

### Cutter Configuration

**2 qty**

Simultaneous Cutter Heads

### Optional Modules

Power Milling Turret

## Applications

### Common Workpieces

- Square tangs on top surfaces
- Hex, square, and flats on special bolts
- Drive tangs on drills and sockets
- Polygons on yoke nuts
- Flats on shafts, brake cams, and shifters
- Collared nuts

## Performance Benefits

### Manufacturing Advantages

Feature	Benefit
Dual Rotational Operation	Multiplies production rate and saves time
All-in-one Functionality	High concentricity and symmetry
Rigid Construction	High performance in mass production
Cut Division	Compensation of cutting forces and reduced cycle time