

# Transformer Corrugated Fin Wall Forming and Welding Machine

This machine is designed for forming and welding transformer corrugated fin walls. It automates the process, ensuring consistent quality and high production rates.



## ADDITIONAL IMAGES



## Product Overview

### BW800A Production Line Overview

The BW800A is a specialized, fully automated production line engineered for the efficient manufacturing of corrugated fin walls used in transformer tanks. This integrated system streamlines the entire process, combining material feeding, fin forming, edge folding, shearing, and welding into a single, high-precision workflow. Designed for operational efficiency, it requires minimal labor and features advanced hydraulic and PLC control systems to ensure stable, consistent output for diverse transformer designs.

## Technical Specifications

### Forming Speed

**3 fins/min**  
Minimum Speed

**4 fins/min**  
Maximum Speed

### Plate Dimensions

Parameter	Range
Plate Width	300mm - 800mm
Plate Thickness	0.5mm - 1.75mm

### Corrugation Parameters

- Corrugation Height: 50mm - 300mm
- Corrugation Pitch:  $\geq 45$ mm
- Optional Hemming Function: 20mm hemming height

## System Components

### Included Modules

Hydraulic Automatic Decoiler, Transformer Tank Fin Forming Machine, Hydraulic Shearing and Hemming Machine, Automatic Welding Machine, Hydraulic Station, PLC Control System

## Operational Features

### Key Operational Benefits

- Automatic hydraulic control system for stable running
- Human-machine interface (HMI) for intuitive operation
- One-time processing of forming, shearing, and edge folding
- Labor-saving design (requires only 1-2 operators)