

RX-CZ14

C/Z PURLIN ROLL FORMER


20-10 GA

GAUGE

3-14 IN

WEB

3-8 MIN

CHANGEOVER

120 FPM

SPEED WITHOUT PUNCHING

One line for every purlin and girt on a metal building. The RX-CZ14 changes from C to Z, and from one web depth to another, from the touchscreen, with no roller swap and no crane. Changeover takes three to eight minutes instead of an afternoon.

FEATURES

BUILT FOR PERFORMANCE

● C TO Z FROM THE TOUCHSCREEN

Select the profile and the web, flange, and lip dimensions on the PLC, and the forming stands reposition themselves. There is no tooling to lift off and no shims to chase. A shop that quoted C purlins this morning can run Z girts after lunch.

● HEAVY ENOUGH FOR 10 GAUGE

A 57 HP main drive, 75 mm solid shafts, and CR12 steel rollers, heat-treated, give this machine the strength to form material up to 10 gauge. Twelve forming stations bend the flange and lip gradually to help avoid flare and twist on long sections.

● HYDRAULIC CUT WITH D2-CLASS BLADES

The hydraulic shear uses Cr12MoV blades, the equivalent of D2 tool steel, so the cut stays clean at full thickness. Cut length is controlled by encoder and PLC, with batch and quantity presets.

● PUNCHING FOR YOUR BUILDING SYSTEM

Web and flange punching for bolted connections and sag rods is included and can be configured to meet your specific building-system requirements, with punch locations and patterns based on your project needs. The line can run up to 120 FPM without punching, while actual production speed will depend on the number of punches required for the selected configuration.

TECHNICAL SPECIFICATIONS

Model	RX-CZ14
Profiles	C and Z purlins
Web Depth	C purlins = 3-14 in / Z purlins = 4.5-14 in
Flange / Lip	0.3125-1.1875 in
Material Thickness	20-10 ga
Materials	Galvanized, painted steel, high-strength steel to Grade 50/55
Forming Stations	22
Shaft Diameter	2.95 in (75 mm) solid keyed shafts
Shaft Material	40CR (5140 equivalent)
Roller Material	CR12 (D3 equivalent)
Frame	TBD
Changeover	C <-> Z and size change from PLC, 3-8 minutes, no roller change
Line Speed	0-120 FPM (0-45 m/min), variable without punching; actual production speed depends on number of punches
Main Motor	57 HP (42 kW)
Hydraulic Unit	20 HP (15 kW)
Punching	Inline punching included and configurable to customer requirements
Shear	Hydraulic post-cut and hydraulic pre-cut with quenched CR12MOV (D2 equivalent) blades
Controls	Panasonic PLC with touchscreen, batch / length / quantity, multi-language
Decoiler	10,000 lb (5 ton) manual decoiler included
Electrical	3-phase, 60 Hz; 480V or 240V
Machine Weight	15,000-24,000 lb (7-11 t) depending on configuration
Footprint	41 ft x 6 ft x 6.5 ft (12.3 m x 1.8 m x 1.9 m)
Warranty	18 Months

OPTIONS / ADD-ONS

● Inline Punching

Hydraulic web and flange punching with pattern presets.

● Hydraulic Decoiler

Available as a single or double hydraulic decoiler option.

● Auto Stacker

Purlin stacker with bundle nesting.