

CrX.44HD

Crimp to crimp



komax

CrX.44HD

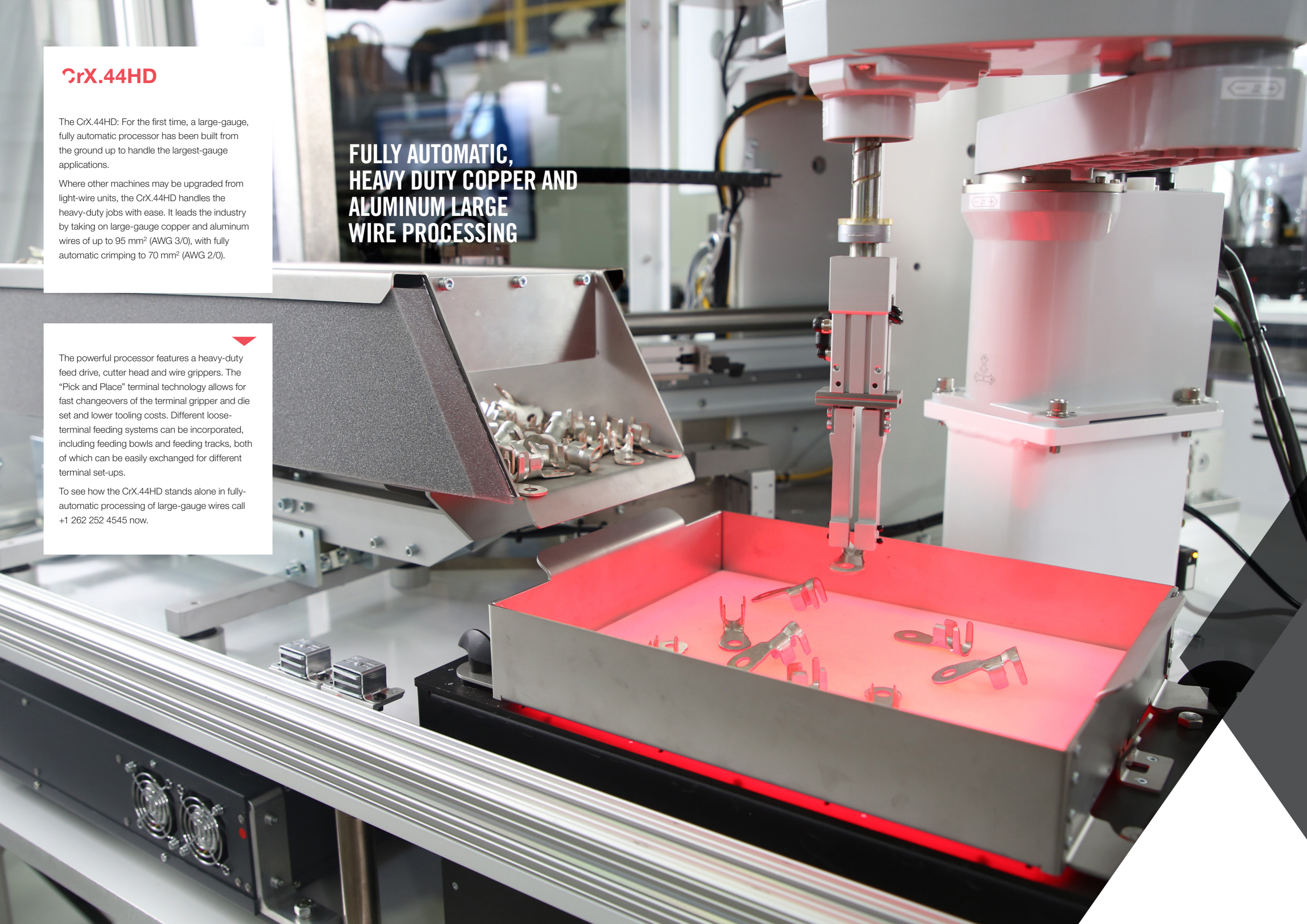
The CrX.44HD: For the first time, a large-gauge, fully automatic processor has been built from the ground up to handle the largest-gauge applications.

Where other machines may be upgraded from light-wire units, the CrX.44HD handles the heavy-duty jobs with ease. It leads the industry by taking on large-gauge copper and aluminum wires of up to 95 mm² (AWG 3/0), with fully automatic crimping to 70 mm² (AWG 2/0).

FULLY AUTOMATIC, HEAVY DUTY COPPER AND ALUMINUM LARGE WIRE PROCESSING

The powerful processor features a heavy-duty feed drive, cutter head and wire grippers. The "Pick and Place" terminal technology allows for fast changeovers of the terminal gripper and die set and lower tooling costs. Different loose-terminal feeding systems can be incorporated, including feeding bowls and feeding tracks, both of which can be easily exchanged for different terminal set-ups.

To see how the CrX.44HD stands alone in fully-automatic processing of large-gauge wires call +1 262 252 4545 now.



Capabilities

- Material Cutting
- Stripping
- Open Barrel Crimping
- Closed Barrel Crimping
- Shrink Tube End of Wire
- Wire End Tinning
- Hot Stamp Marking
- Inkjet Marking
- Marking with Labels
- Batching of Finished Wires
- Harness/Job Sequencing

Benefits

- Processes both copper and aluminum wire
- Production flexibility with industry-first large-scale loose terminal processor with automated open and closed-barrel termination
- Fast changeovers of gripper and die set speed production and lowers tooling costs
- Heavy-duty drive system and components enable processing of large-gauge aluminum and copper wire

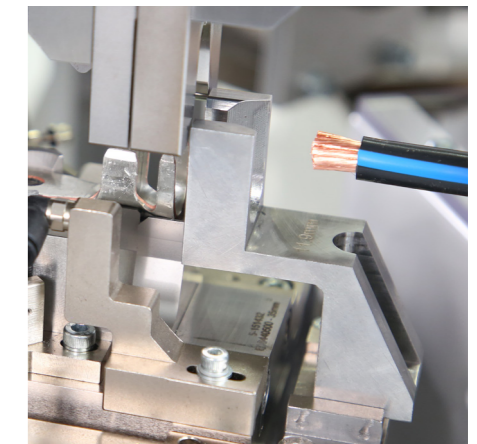
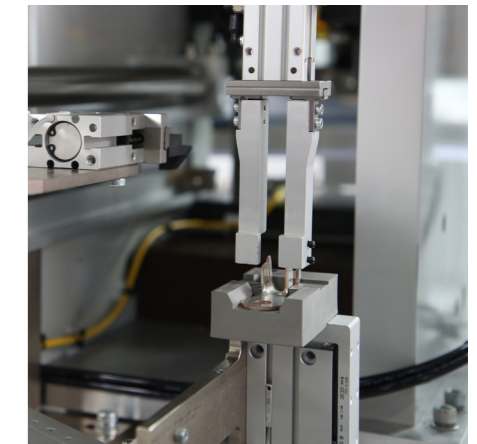
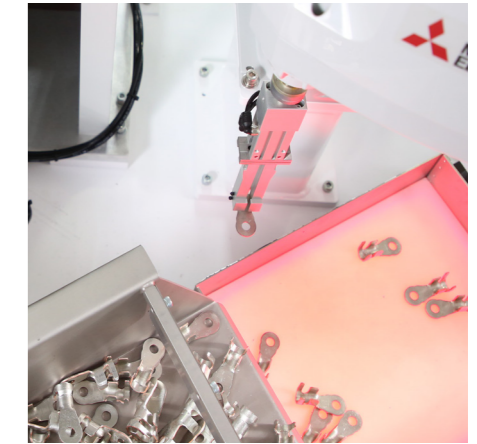
CrX-44HD Features

- Loose Terminal Processing
- Fully Automated Open and Closed-Barrel Termination
- Heavy-duty Wire Straightener
- Heavy-duty Belt Drive System
- Large Wire Guide Kit
- Heavy-duty Cutterhead
- Heavy-duty Gripping Units
- Special Extended Stroke Servo Swing Arms
- Special Tool holder with Radius Stripping Blade
- Crimping Force 150 kN, crimping to 70 mm² or (AWG 2/0)

Options























- External Stripping Unit for stripping up to 40 mm (1.5 in.)
- Wire end twisting and tinning (depending on wire sizes)
- Heat Shrink Tube Insertion Unit
- Bowl Feeding Systems for Loose Terminals
- Track Feeding Systems for Loose Terminals
- Ultra-Sonic Welding of Wire End
- Center Stripping Unit
- Wire Batch Removal System
- 4 Meter Long Wire Collector

PRODUCTION FLEXIBILITY WITH AUTOMATED OPEN AND CLOSED-BARREL TERMINATION



The "Pick and Place" terminal technology allows for fast changeovers of the terminal gripper and die set and lower tooling costs.

Processing examples and functions

Cutting to length		Flat cable processing		Rotary incision	
Full stripping		Cutting pulled strands / Zero cut		Wire deposit system	
Partial stripping		Hot stamp marking		Pulling / Dereeling prefeeder	
Multi-step stripping		Inkjet marking		Batch separation	
Center stripping / Intermediate slitting		Label printing		Wire length correction	
Multi-conductor cable processing		Coiling / Binding		Networking (Manufacturing execution system, WPCS, MIKO)	
Core processing for shielded cables		Sequence processing			
Multilayer cable		Wire draw-in (roller drive / belt drive)			

Technical Data

Wire Sizes	6-95 mm ² or 10-000 AWG
Maximum Wire O.D.	17 mm (0.67inch) OD
Wire Lengths	100 mm-100M (4-3937 inch)
Production Speeds	Will vary depending upon application
Strip Lengths	0-25 mm (1 inch) Longer strip lengths are possible with optional stripping units
Electrical Requirement	208 to 480 volt, 3 phase, 50 or 60 Hz
Air Requirement	2.41/sec. @ 6 bar (5CFM @ 80 PSI)
Dimensions	With 2M Collector 4030 mm x 2050 mm x 1840 mm (159 in x 81 in x 73 in.) Height with guard open 2900 mm (114 in.)
Shipping Weight	MTX 10 w/2M Collector 2500 kg (4500 lbs.)
Shipping Dimensions	3657 mm x 2209 mm x 2108 mm (144" x 87" x 83")
Standard Features	Loose terminal processing. Complete safety guards and electrical interlock. Wire run-out detection switch. Inch or metric measuring. Owner's manual.

Specifications are subject to change without notice, and exceptions may apply depending on application, wire and other variables. Optional equipment may require standard machine modification and/or later specifications.



Komax – leading the field now and in the future

As a pioneer and market leader in automated wire processing, Komax provides its customers with innovative solutions. Komax manufactures series and customer-specific machinery, catering to every degree of automation and customization. Its range of quality tools, test systems, and intelligent software and networking solutions complete the portfolio, and ensure safe, flexible, and efficient production.

Komax is a globally active Swiss company with highly qualified employees and development and production facilities on several continents. It provides local support to customers worldwide through its unique sales and service network and offers services that help them get the most out of their investments.

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