



CENTURIO COIL WAREHOUSING, HANDLING & FEEDING SYSTEM



INTRODUCING CENTURIO: THE WORLD'S FIRST FULLY AUTOMATED COIL WAREHOUSING, HANDLING & FEEDING SYSTEM

The Centurio is a revolutionary new machine that is fundamentally changing the way metal coils are handled and stored, resulting in dramatic and measurable efficiencies in the metal component industry.

The newly-introduced Centurio is an automatic coil handling and warehousing system for light gauge sheet metal that is allowing metal forming factories to improve production time and reduce scrap rates, while reducing labor requirements, enhancing safety and saving space.

The Centurio's storage capacity not only saves floor space, but reduces the risk of damage that can occur when the coil is being moved constantly. Shops no longer have to devote countless man hours and extensive floor space to move and store coils.

Instead, once coils are placed in the machine's coil production warehouse, they can be stored until needed, freeing up shop space and manpower. Dozens of coils can be stored in the Centurio, and once the axles have been inserted and the coils loaded, they never have to be touched again.



Warehouse station with coil axle and coil clamp

By linking the Centurio to a roll former or cutting system, a customer can create a completely independent and automated system that will store, load, uncoil and feed an unlimited output of sheet metal, all automatically. This drastically reduces the risk of damage to the expensive material.

CHANGEOVER MADE EASY

When coils arrive from the supplier, a coil axle is inserted. Then the coil is placed into the warehousing system and is never touched again by human hands until the core is thrown away. The result: fully automated coil changeover with no human involvement.

This changeover frees up hours for extra production (which can equate to hundreds of thousands of dollars in additional sales volume). Customers are finding that coil changes can be performed in two to three minutes with greater than ever accuracy, reducing change over time on average by more than half. Change colors, change shifts, change your mind... Centurio will handle it without effort.



HOW IT WORKS:

- An operator (only one is required!) enters job data or downloads orders from a remote computer system.
- The coil manipulator returns the most recently used coil to the storage area.
- It then moves the coil required for the new job from the storage area to the processing machine and positions the leading sheet edge precisely to the input position (entry slot) of the processing machine.
- The feeding device grabs the starting edge of the coil, opens the pressurized coil clamp and inserts the metal into the processing machine.



CENTURIO CREATES COST EFFICIENCIES

In some cases, the savings in scrap alone on an annual basis covers or exceeds the cost of the Centurio system – no more pup coils and no more inventory write-offs of unused coil material. By weighing the coil each time it is picked up, the system converts the weight to the remaining linear feet available and alerts the operator to add more of the same coil to the system if necessary.

The system can support and be linked to various fabricating machines such as slitting lines and rollformers through the use of very clever docking systems. This allows the system to support most brands of slitting systems or rollformers.

Because the Centurio system is modular, it can be configured to meet the dimensional and capacity needs of any customer, from small shops to factories, and also adapts to our competitors' machines. MetalForming will work with customers to custom-design the best system, and then provide installation and training. As with all MetalForming products, a warranty is provided.



Wireless shuttle manipulator brings coil to the feeding manipulator



Automatic coil clamp



Coil axle



Feeding manipulator

THE CENTURIO SYSTEM:

- Patented storage or warehouse component with clamping can store up to 200 coils
- Automatic coil manipulator can cut the change-over time dramatically
- Docking stations connect the Centurio to your rollforming machine or slitting line
- Computerized information and command system operates machine



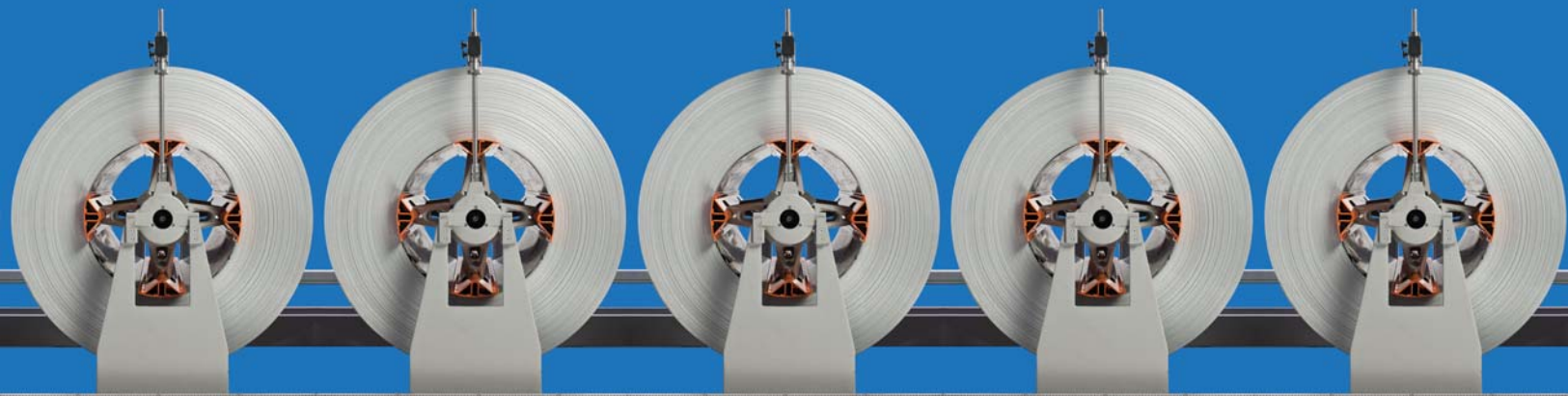
Rollformer docking station



SPECIFICATIONS	
6+1 system & docking station	33' x 7.8' x 13' (l/w/h)
Machine weight	Approx. 9,900 lbs.
Length per coil station	3.9'
Length of docking station	9.8'
Max. metal width	49"
Max. thickness (Mild Steel)	.015" – .049"
Max. thickness (Aluminum)	.019" – .059"
No. of coils in storage area	6 (expandable)
Max. weight of coil	12,000 lbs.
Max. outer coil diameter	43"
I.D. expansion range	17.7" – 22.8"
Power supply	440 v/3 ph/60 Hz. – 32 A
Compressed air requirement	2 CFM/100 psi
Operators unit	Display Touch-Panel
Maximum Speed	180 Feet Per Minute

CONTACT METALFORMING TO LEARN MORE

The Centurio coil handling and warehousing system is consistent with MetalForming's commitment to make the latest and most innovative metal forming technology available to its customers. This machine from Eventures will help metal component businesses of all sizes leap ahead in efficiency and cost savings gains. For more information, call 770.631.0002 or visit metalforming-usa.com.



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