

UNMATCHED PERFORMANCE

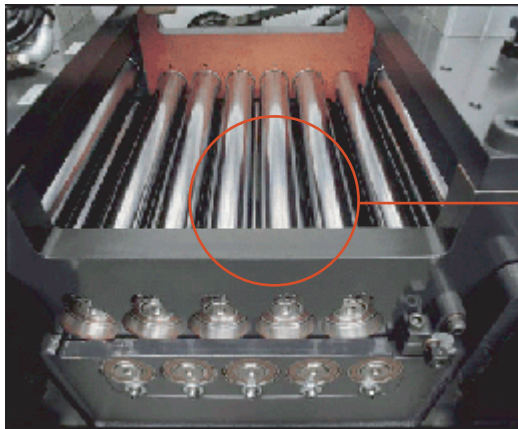


## LCC 04KR3 STRAIGHTENER/FEEDER



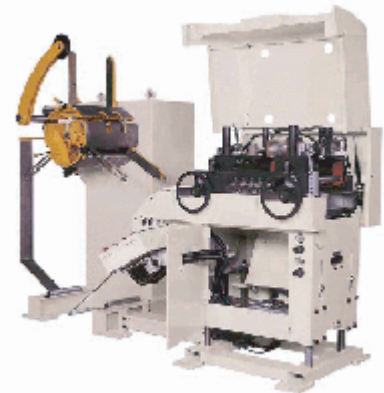
The new LCC 04KR3 has been built to meet the demands of both Oriimec's customers and the industry as a whole. In answer to demands for advancement and diversification of coil processing, the KR series underwent a full model upgrade.

The most important advancement on the new KR is the addition of 11 work rolls, offering an extraordinary level of flatness to the material. The work rolls have also been re-engineered for better maintenance, with easy-to-reach openings on both the top and bottom of the structure for cleaning. Other significant improvements of the new KR are that the pass line height is easier to adjust and that the feed roll pressure and roll lift (pilot release) are now adjustable by the air regulator. The roll lift can keep up with the press at high speeds of 120 SPM. With a maximum line speed of 16m/min, an impressive 30 percent increase in productivity can be achieved when compared with the 03KR2 model.



### Top and Bottom Work Roll Opening

The work rolls can be reached from either the top or the bottom of the structure just by opening the cover, making cleaning the rolls much easier than on previous models. The upper door features an easy one-step button for opening, and the lower door can be opened as much as 90 degrees



### 11 Work Rolls

The new KR's ability to provide superior flatness comes from 6 upper and 5 lower work rolls with a diameter of 48mm (1.8") each, contributing to highly precise coil processing.

An industry leader in pressroom automation for more than 30 years, Oriimec provides robots, transfer systems, coil handling equipment and straightener/feeder combination units to customers worldwide. Manufactured in Japan, the Orii line of equipment is engineered to meet the specific needs of each of our customers. All Orii products sold in the U.S. are paired with expert service and technical support from our Erlanger, KY office.

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# LCC 04KR3 STRAIGHTENER/FEEDER

## Specifications

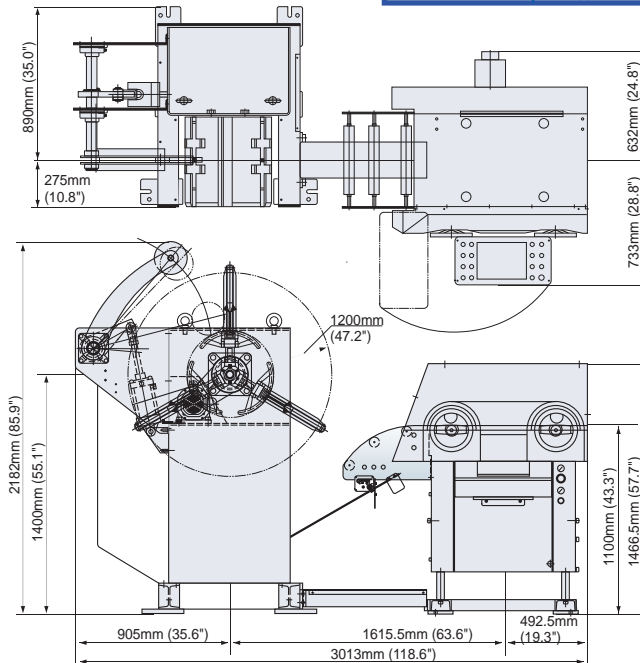
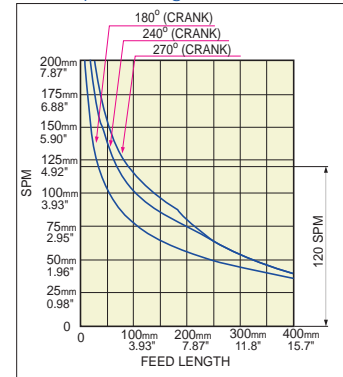
Model	04KR3
Stock Width	50-400 mm 1.96"-15.7"
Stock Thickness	0.3-3.2 mm 0.011"-0.125"
Coil Weight Max.	2500 kg (2000 kg) 5511 lbs (4409 lbs)
Coil O.D. Max.	1200 mm 47.2"
Coil I.D.	508 mm 20.0"
Feed Length Max.*	~400 mm** ~15.7**
Line Speed Max.*	16 m/min 52 ft/min
Work Roll Number	up6/down5
Feed Roll Number	1
Main Motor	AC 2.0 kw
Mandrel Expansion	pneumatic
Reel Motor	0.75 kw
Power Required	200/220 V
Operating Air Required	0.49 Mpa 72 psi

\* While press is running continuously.  
\*\* In cases where feed length is 400 mm (15.7") or longer, Master Control Function option must be provided.

## Straightening Performance

Stock Thickness	Stock Width
0.3 mm 0.011"	400 mm 15.7"
0.4 mm 0.015"	
0.6 mm 0.023"	
0.8 mm 0.031"	
1.0 mm 0.039"	
1.0 mm 0.039"	
1.2 mm 0.047"	
1.4 mm 0.055"	
1.6 mm 0.062"	
1.8 mm 0.070"	
2.0 mm 0.078"	360 mm 14.1"
2.3 mm 0.090"	290 mm 11.4"
2.5 mm 0.098"	250 mm 9.84"
2.8 mm 0.110"	220 mm 8.66"
3.0 mm 0.118"	190 mm 7.48"
3.2 mm 0.125"	170 mm 6.69"
	150 mm 5.90"
	130 mm 5.11"
	130 mm 5.11"
	130 mm 5.11"
	130 mm 5.11"

## Feed Speed Diagram



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