



# Raybould Machine Tools Ltd

Macarthur Road, Cradley Heath, West Midlands, B64 7RP. England

Tel: 01384 565997 Fax: 01384 565459 Mobile: 07831 143034

Web: [www.raybould.com](http://www.raybould.com) e-mail: [slr@raybould.com](mailto:slr@raybould.com)

## HongEr 3in1 Combined Decoiler-Straightener-Feeder



### Standard Features:

- |                                  |                                     |
|----------------------------------|-------------------------------------|
| Motorised uncoiler               | Hydraulic mandrel expansion         |
| Variable speed operations        | Limiting arm for locating the coil  |
| Pneumatic disk brake             | Pneumatic snubber arm               |
| Hydraulic coil car               | Photo-Electric loop control         |
| Hands-free input support         | 7 x HRC60 straightener rolls        |
| Servo-driven feeder-straightener | Worm gear adjustment of upper rolls |
| Automatic oiling unit (Option)   | Hydraulic shearing unit (Option)    |



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Coil Car



Hydraulic Expansion



Coil Guides



Touchscreen Controls



Coil Output Support



GCr15 steel rolls, HRC 60

Director: S L Raybould  
VAT number: GB276 3173 47  
Company registration number: 01168392



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## Model GLK2 Decoiler-Straightener-Feeder

An innovative design to reduce workspace. Servo controlled system with an advanced diagnostic system ensuring precision and reliable coil feed control. 7" touch-screen for easy and automatic operation and control. HRC60+/-2 degrees high-quality straightening rolls with wear resistance. Parameter storage function for quick tool changes. Various additional options available dependent upon different applications.





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Model	GLK2-300	GLK2-400	GLK2-500	GLK2-600	GLK2-800	GLK2-1000
Material width	300mm	400mm	500mm	600mm	800mm	1000mm
Material thickness	0.3-3.2mm					
Max coil weight	2000kg	2000kg	3000kg	5000kg	5000kg	7000kg
Max coil I.D	Dia. 508mm					
Max coil O.D	Dia. 1200mm					
Max speed	16 mtr per min					
Straightening rolls	6 top / 5 bottom					
Voltage	To customer requirements					
Air pressure	5kg/cm <sup>2</sup>					
Uncoiler expansion	Hydraulic					
Servo motor	AC2.9KW	AC2.9KW	AC4.4KW	AC4.4KW	AC5.5KW	AC5.5KW
Uncoiler motor	AC0.75kw	AC1.5kw	AC1.5kw	AC2.2kw	AC2.2KW	AC3.7KW

Straightening Performance									
Material yield strength <245N/mm <sup>2</sup> , Tensile strength <392N/mm <sup>2</sup>									
Model/width	Thickness								
	0.3mm	1.0mm	1.3mm	1.6mm	2.0mm	2.3mm	2.5mm	2.8mm	3.2mm
GLK2-300	300mm							250mm	
GLK2-400	400mm					250mm			
GLK2-500	500mm				250mm				
GLK2-600	600mm			230mm					
GLK2-800	700mm		200mm						
GLK2-1000	800mm		180mm						

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## Model GLK3 Decoiler-Straightener-Feeder

An innovative design to reduce workspace. Servo controlled system with an advanced diagnostic system ensuring precision and reliable coil feed control. 7" touch-screen for easy and automatic operation and control. HRC60+/-2 degrees high-quality straightening rolls with wear resistance. Parameter storage function for quick tool changes. Various additional options available dependent upon different applications.



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<b>Model</b>	<b>GLK3-400</b>	<b>GLK3-600</b>	<b>GLK3-800</b>	<b>GLK3-1000</b>
<b>Material width</b>	400mm	600mm	800mm	1000mm
<b>Material thickness</b>	0.5-4.5mm			
<b>Max coil weight</b>	5000kg	5000/7000kg	7000kg	
<b>Max coil O.D</b>	Dia. 1400mm			
<b>Max coil I.D</b>	Dia. 508mm			
<b>Max feeding length</b>	500mm			
<b>Max line speed</b>	16-24 mtr per min			
<b>Straightening rolls</b>	4 top / 3 bottom			
<b>Feeding roll</b>	1			
<b>Uncoiler expansion</b>	Hydraulic			
<b>Voltage</b>	To customer requirements			
<b>Servo motor</b>	AC4.4KW	AC4.4KW	AC5.5KW	AC7.5KW
<b>Uncoiler motor</b>	AC2.2KW	AC2.2KW	AC2.2/3.7KW	AC3.7KW
<b>Operating pressure</b>	0.49Mpa			

## Straightening Performance

Material yield strength <245N/mm<sup>2</sup>, Tensile strength <392N/mm<sup>2</sup>

Model/ width	Thickness										
	0.30-0.8mm	1.0mm	1.2mm	1.6mm	1.8mm	2.0mm	2.3mm	2.8mm	3.2mm	4.5mm	
GLK3-400	400mm							370mm	300mm	160mm	
GLK3-600	600mm			590mm	500mm	430mm	360mm	290mm	250mm	160mm	
GLK3-800	800mm		700mm	480mm	420mm	370mm	320mm	250mm	220mm	150mm	
GLK3-1000	1000mm	750mm	600mm	430mm	380mm	330mm	290mm	230mm	220mm	110mm	

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## Model GLK4 Decoiler-Straightener-Feeder

An innovative design to reduce workspace. Yaskawa servo drive and Mitsubishi plc control with an advanced diagnostic system ensuring precision and reliable coil feed control. 7" touch-screen for easy and automatic operation and control. HRC60+/-2 degrees high-quality straightening rolls with wear resistance. Parameter storage function for quick tool changes. Various additional options available dependent upon different applications.





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Model	GLK4-400	GLK4-600	GLK4-800	GLK4-1000	GLK4-1300
Material width	70-400mm	70-600mm	70-800mm	70-1000mm	70-1300mm
Material thickness	0.6-6.0mm				
Max coil weight	5000kg	5000kg	7000kg	7000kg	7000kg
Max coil O.D	Dia. 1400mm				
Max coil I.D	Dia. 508mm				
Max feeding length	500mm				
Max line speed	16-24 mtr per min				
Straightening rolls	4 top / 3 bottom				
Feeding roll	1				
Uncoiler expansion	Hydraulic				
Voltage	To customer requirements				
Servo motor	AC5.5KW	AC7.5KW	AC7.5KW	AC11KW	AC11KW
Uncoiler motor	AC2.2KW	AC2.2KW	AC3.7KW	AC3.7KW	AC3.7KW
Operating pressure	0.49Mpa				

Straightening Performance											
Material yield strength <245N/mm <sup>2</sup> , Tensile strength <392N/mm <sup>2</sup>											
Model/ width	Thickness										
	0.6-1.3mm	2.0mm	2.3mm	2.5mm	2.8mm	3.2mm	4.0mm	4.5mm	5.0mm	6.0mm	
GLK4-400	400mm						457mm	361mm	293mm	203mm	
GLK4-600	600mm										
GLK4-800	800mm					714mm	457mm	361mm	293mm	203mm	
GLK4-1000	1000mm				933mm						
GLK4-1300	1300mm			1170mm		933mm	714mm	457mm	361mm	293mm	203mm

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## Model GLK5 Decoiler-Straightener-Feeder

An innovative design to reduce workspace. Coil widths upto 1300mm with thickness up to 9.0mm. A reinforced frame with a unique design. The Yaskawa servo drive and Mitsubishi plc control with an advanced diagnostic system ensuring precision and reliable coil feed control. 10" touch-screen for easy and automatic operation and control. HRC60+/-2 degrees high-quality straightening rolls with wear resistance. Parameter storage function for quick tool changes. Various additional options available dependent upon different applications.





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Model	GLK5-600	GLK5-800	GLK5-1000	GLK5-1300
Material width	600mm	800mm	1000mm	1300mm
Material thickness	0.8-9.0mm			
Max coil weight	5000kg		7000kg	10000kg
Max coil O.D	Dia. 1400mm			
Max coil I.D	Dia. 508mm			
Max feeding length	500mm			
Max line speed	16 mtr per min			
Straightening rolls	5 top / 4 bottom			
Auxiliary straightening roll group	Included			
Feeding roll	1			
Uncoiler expansion	Hydraulic			
Voltage	To customer requirements			
Servo motor	AC15KW	AC15KW	AC22KW	AC30KW
Uncoiler motor	AC3.7KW	AC3.7KW	AC5.5KW	AC7.5KW
Operating pressure	0.49Mpa			

## Straightening Performance

Material yield strength <245N/mm<sup>2</sup>, Tensile strength <392N/mm<sup>2</sup>

Model/width	Thickness								
	0.8-3.2mm	4.0mm	4.5mm	5.0mm	6.0mm	7.0mm	8.0mm	9.0mm	
GLK5-600	600mm				450mm	331mm	253mm	200mm	
GLK5-800	800mm								
GLK5-1000	1000mm		800mm	648mm					
GLK5-1300	1300mm	1013mm							

## Straightening Performance

Material yield strength <600N/mm<sup>2</sup>, Tensile strength <960N/mm<sup>2</sup>

Model/width	Thickness									
	2.3mm	2.8mm	3.2mm	4.0mm	4.5mm	5.0mm	6.0mm	7.0mm	8.0mm	
GLK5-600	533mm	432mm	374mm	292mm	257mm	228mm	180mm	132mm	101mm	
GLK5-800	527mm	427mm	369mm	289mm	254mm	225mm				
GLK5-1000	521mm	422mm	365mm	286mm	251mm	223mm				
GLK5-1300	511mm	414mm	358mm	281mm	246mm	219mm				

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## Model GLK4H Decoiler-Straightener-Feeder

An innovative design to reduce workspace. Coil widths up to 1300mm with thickness up to 6.0mm. A reinforced frame with a unique design. The Yaskawa servo drive and Mitsubishi plc control with an advanced diagnostic system ensuring precision and reliable coil feed control. 10" touch-screen for easy and automatic operation and control. HRC60+/-2 degrees high-quality straightening rolls with wear resistance. Parameter storage function for quick tool changes. Various additional options available dependent upon different applications.



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Model	GLK4-600H	GLK4-800H	GLK4-1000H	GLK4-1300H
Material width	70-600mm	70-800mm	70-1000mm	70-1300mm
Material thickness	0.6-6.0mm			
Max coil weight	5000kg	7000kg	7000kg	10000kg
Max coil O.D	Dia. 1400mm			
Max coil I.D	Dia. 508mm			
Max feeding length	500mm			
Max line speed	16-24 mtr per min			
Straightening rolls	5 top / 4 bottom			
Auxiliary feeding roll group	Included			
Feeding roll	1			
Uncoiler expansion	Hydraulic			
Voltage	To customer requirements			
Servo motor	AC7.5KW	AC11KW	AC11KW	AC15KW
Uncoiler motor	AC3.7KW	AC3.7KW	AC5.5KW	AC7.5KW
Operating pressure	0.49Mpa			

Straightening Performance								
Material yield strength <245N/mm2, Tensile strength <392N/mm2								
Model/width	Thickness							
	0.8-3.2mm	2.5mm	2.8mm	3.2mm	4.0mm	4.5mm	5.0mm	6.0mm
GLK4-600H	600mm				457mm	361mm	293mm	203mm
GLK4-800H	800mm			714mm				
GLK4-1000H	1000mm	933mm	920mm		714mm	457mm	361mm	293mm
GLK4-1300H	1300mm							
Straightening Performance								
Material yield strength <600N/mm2, Tensile strength <960N/mm2								
Model/width	Thickness							6.0mm
	2.3mm	2.8mm	3.2mm	4.0mm	4.5mm	5.0mm		
GLK4-600H	255mm	205mm	177mm	138mm	120mm	106mm	81mm	
GLK4-800H	252mm	203mm	175mm	136mm	119mm	105mm		
GLK4-1000H	250mm	202mm	174mm	135mm	118mm	104mm		
GLK4-1300H	246mm	199mm	171mm	133mm	116mm	103mm		

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Founded in 2002 in Shenzhen China, HongEr Machine Equipment Co Ltd focuses on high quality coil handling and press feeding systems including decoilers, straighteners, feeders and compact coil feeding lines.

HongEr has supplied machines to over 60 countries & regions. Customers include Ford, BMW, Jaguar, Nissan & Toyota to name but a few. The company continues to grow with the corporate culture of "Credit is the Basis, Quality Comes First". HongEr offers the best solutions with strong technical support and after-sales service.

From servo feeders to large-scale coil feeding lines the HongEr technical team offer solutions to all production requirements. The research and development at HongEr allow their machines to easily handle various differing types of materials including high-strength steel.

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## Design & Service:

- HongEr offers a full technical team with decades of experience guiding newly graduated engineers that are full of passion and enthusiasm

## Co-Operation:

- A dedicated design team can customize the machine per customer requirements

## Quality:

- ISO9901 and CE Certificates
- Electric components supplied from Japan, France and Germany
- High precision component parts supplied from Germany and Taiwan
- Strict quality control process

