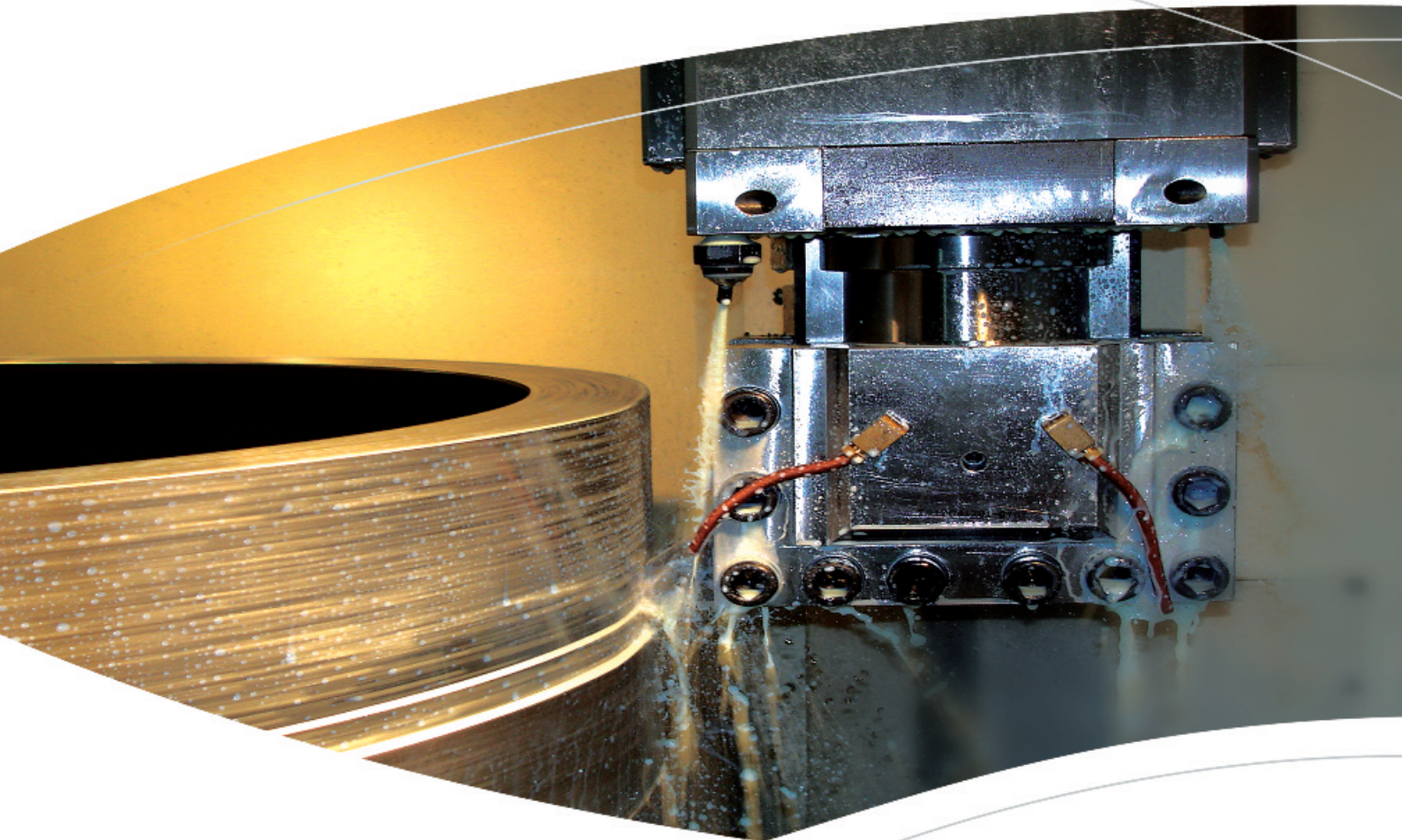


Your Best Partner **HANKOOK**

MACHINE TOOLS

Company Overview & Products



HANKOOK
HANKOOK MACHINE TOOLS CO.,LTD.

Hankook Machine Tools places a high priority on customer satisfaction.

COMPANY OVERVIEW & HISTORY

Specialising in heavy duty lathes, Hankook Machine Tools was established in 1969 at the time of the initial era in the development of the Korean machine tools industry.

Hankook has been at the heart of Korean machine tool development with large and heavy duty equipment based on its own in house technology in pursuit of the "Challenge & Creation" company slogan for a period of 50 years.

Hankook Machine Tools is equipped with a head office, manufacturing plant and R&D center with the latest equipment and systems to meet all customer needs.

1967

Entered into the technical collaboration and jointed venture Dainichi Kinzoku Kogyo Co.,Ltd. Japan.

1979

Head office & factory moved into Changwon-si Gyeongsangnam-do Korea.

1989

Decorated with the Industry Bronze Medal by the President on the Tax Day. Establishment of affiliated R&D center.



1969

Established Hankook Machine Tools Co., Ltd. in Dongrae, Busan. Started Production of Lathe.



1985

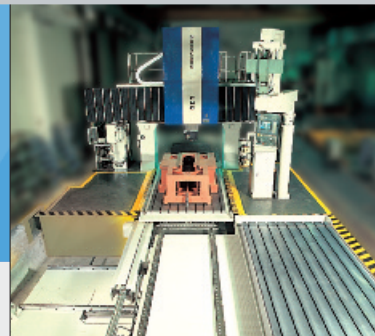
Individual development of CNC lathe

1977

Development of conventional lathe

1988

Development of CNC roll lathe
Development of conventional planer



1992

Individual development of portal type machining center (PMC: Table 1800×4000mm)



1990

Extended the factory of 2710 m² only for assembling CNC lathes.

1992

Approved Hankook Machine Tools Co., Ltd. R&D Center by national institution.



1997

ISO 9001 Quality system certificate.

2008

New company building(2700 m²) and enlargement of large-scale assembly factory(7310 m²) completion

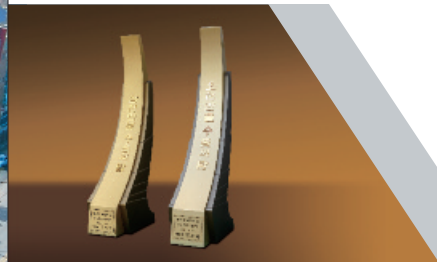


2022

Head office & factory moved into Gimhae-si, Gyeongsangnam-do

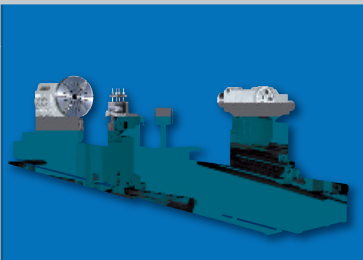
2013

Awarded Gold Towel by president on the 50th Trade day.
Awarded 5 million dollar export tower on the 50th Trade day.



1993

Development of the locally largest conventional lathe for grinding turbine generator (KH III -S: Swing 3060mm)



1994

Individual development of CNC vertical turning lathe (VTB: Table 1250~2500mm)



2012

Individual development of large CNC vertical turning lathe (VTB: Table 900mm/Swing 12,000mm)



**PRODUCTS
INTRODUCTION**

CNC Vertical Lathe

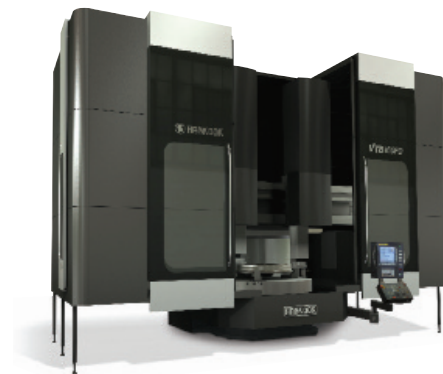


VTB(C) series



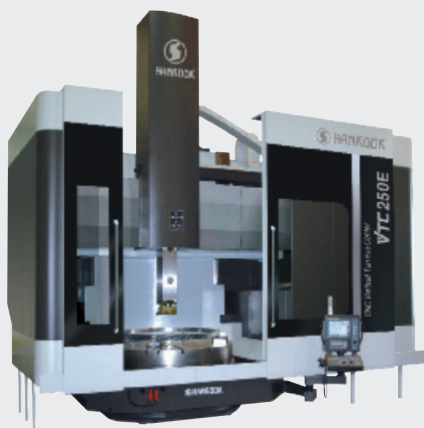
• Max. turning diameter	1250~2000mm
• Max. turning height	800~1400mm
• Max. load on table	4000~10,000kg
• Table diameter	1000/1250/1400/1600mm
• Table speed	1~450/0.9~360/0.8~320/0.7~280rpm

VTB-160FD



• Max. turning diameter	2000mm
• Max. turning height	600mm
• Max. load on table	10,000kg
• Table diameter	1600mm
• Table speed	0.7~280rpm

VTB(C)-200E/250E



• Max. turning diameter	2500/3000mm
• Max. turning height	2000mm
• Max. load on table	12,000/15,000kg
• Table diameter	2000/2500mm
• Table speed	1~200/1~150rpm

VTB(C)-APC



• Max. turning diameter	1250~2000mm
• Max. turning height	800~1400mm
• Max. load on table	2000~5000kg
• Table diameter	1000/1250/1400/1600mm
• Table speed	1~450/0.9~360/0.8~320/0.7~280rpm

PRODUCTS INTRODUCTION

CNC Horizontal & Manual Lathe

As part of our standard products Hankook manufactures from medium sized up to super sized horizontal lathes with distance between centers from 1 meters or 40 inches to 16 meters or 52 feet and swing over bed from 500mm or 20 inches up to 3 meters or 118 inches.

These powerful lathes are a major force for turning many large parts such as large shafts for wind power generation and gas turbines for power plants.

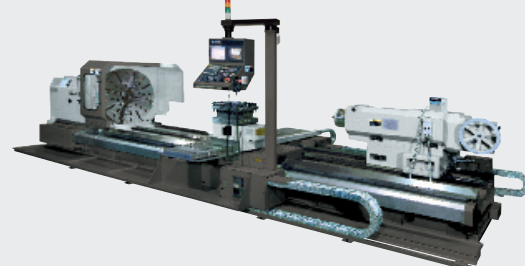


PROTURN-60/90/100



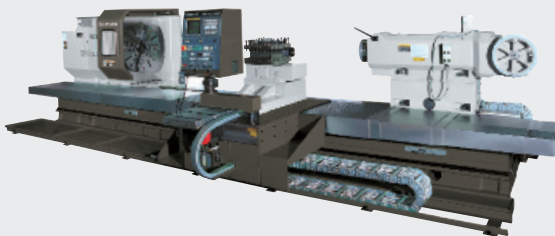
• Swing over bed	740/900/1000mm
• Swing over cross slide	480/560/660mm
• Distance between centers	2000~8000mm
• Max. load between centers	3000/8000kg
• Spindle speed	2.8~2000/1~1800rpm

DYNATURN-1100/1300/1500/1700



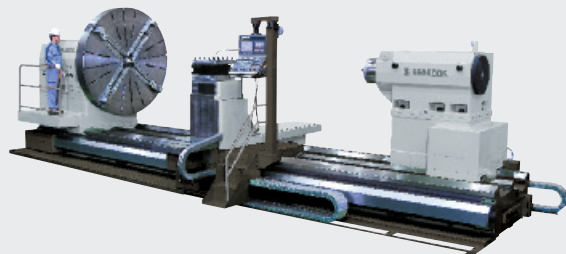
• Swing over bed	1100~1700mm
• Swing over cross slide	720~1320mm
• Distance between centers	2000~8000mm
• Max. load between centers	12,000kg
• Spindle speed	1~500rpm

DYNATURN-8R/11R/13R



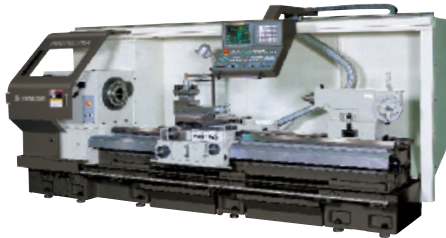
• Swing over bed	1000/1360/1580mm
• Swing over cross slide	800/1120/1320mm
• Distance between centers	2000~8000mm
• Max. load between centers	12,000kg
• Spindle speed	1~500rpm

DYNATURN-2000/2200/2400/2600



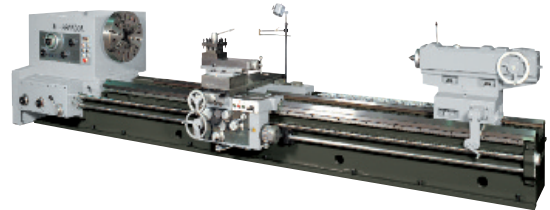
• Swing over bed	2000~2600mm
• Swing over cross slide	1600~2200mm
• Distance between centers	4000~8000mm
• Max. load between centers	25,000kg
• Spindle speed	0.5~250rpm

PROTEC-5N/6N/7N



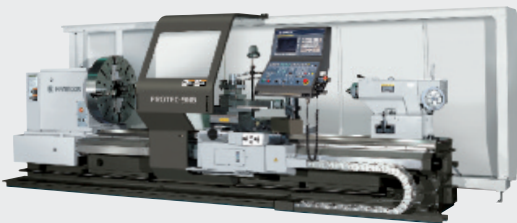
• Swing over bed	530/650/750mm
• Swing over cross slide	300/380/480mm
• Distance between centers	1000~4000mm
• Max. load between centers	2000/3000kg
• Spindle speed	17~2000/3~1400/3~1250rpm

PROTEC/HPL



• Swing over bed	750~1320mm
• Swing over cross slide	510~1020mm
• Distance between centers	1000~8000mm
• Max. load between centers	4000~6000kg
• Spindle speed	28~1250, 3~600/12~1120rpm

PROTEC-9N



• Swing over bed	950mm
• Swing over cross slide	630mm
• Distance between centers	2000~8000mm
• Max. load between centers	5000kg
• Spindle bore	105(176/254)mm
• Spindle speed	2~1000(3~800/2~630)rpm

KM/KM III



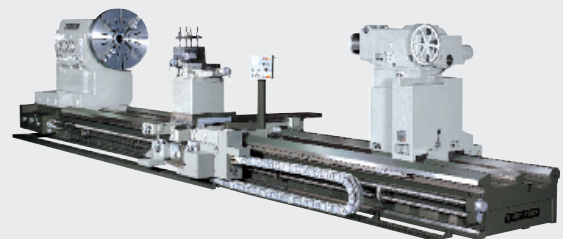
• Swing over bed	1100~2000mm
• Swing over cross slide	800~1700mm
• Distance between centers	2000~16,000mm
• Max. load between centers	8000~12,000kg
• Spindle speed	8~500/6~375rpm

PROTEC-11N/13N



• Swing over bed	1100/1300mm
• Swing over cross slide	740/940mm
• Distance between centers	2000~8000mm
• Max. load between centers	8000kg
• Spindle bore	105(330/381/440)mm
• Spindle speed	1~700/1~623(2~500/2~450/3~400)rpm

KH III



• Swing over bed	1400~3000mm
• Swing over cross slide	1000~2400mm
• Distance between centers	2000~16,000mm
• Max. load between centers	20,000~40,000kg
• Spindle speed	1~200/0.8~160rpm

PRODUCTS INTRODUCTION

CNC Roll Lathe

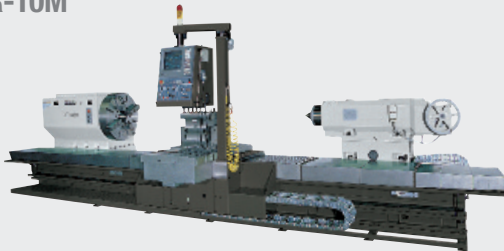
We are the only manufacturers in Korea of roll lathes with our R-series having from 10 tons to 100 tons capacities.

Offering turning capacities for up to 6 meters long rolls for plate and section rolling mills we have delivered roll lathes to POSCO, Dongkuk Steel and Hyundai Steel.

Our technology offers a level of performance and reliability much appreciated by our customers in these tough manufacturing environments. Recent exported credible roll lathes offering component production lines for US Naval aircraft carrier and and Sail Steel, a government project company at Bhilai, India.

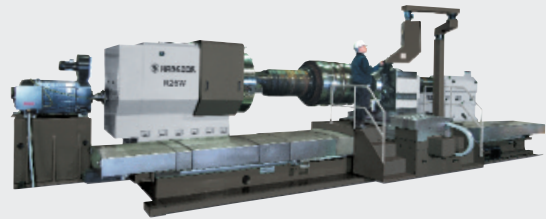


R-10M



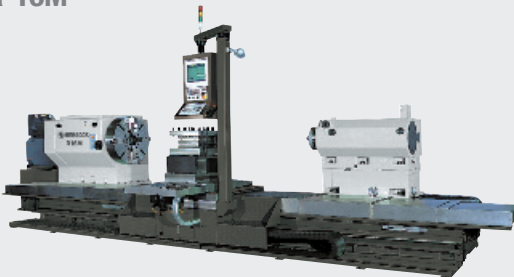
• Max. roll turning diameter	800/1000mm
• Distance between centers	2000~6000mm
• Max. load between centers	10,000kg
• Bed width	1200mm
• Spindle speed	0.5~250rpm

R-25W/50W



• Max. roll turning diameter	1600/2000mm
• Distance between centers	2000~8000mm
• Max. load between centers	25,000/50,000kg
• Bed width	2000mm
• Spindle speed	0.5~250/1~185rpm

R-16M



• Max. roll turning diameter	1000/1200mm
• Distance between centers	2000~6000mm
• Max. load between centers	16,000kg
• Bed width	1200mm
• Spindle speed	0.5~250rpm

R-70W/100TM



• Max. roll turning diameter	2200/2000~3000mm
• Distance between centers	2000~8000/8000~20,000mm
• Max. load between centers	70/100~150ton
• Bed width	2000/1800+1600mm
• Spindle speed	1~185/0.5~150rpm

Portal type CNC Machining Center

With our ever expanding technology and facilities, we manufacture fixed and elevating cross-rail bridge type machining centers. Our PMC and PME models offer distance between columns from 2.1 meters or 82 inches up to 5.5 meters or 216 inches table lengths from 3 meters or 118 inches up to 12 meters or 39 feet and table loading from 10 tons to 150 tons.

For meeting various applications we offer many different types of spindle heads and high-speed spindle as well as automatic tool changer(ATC), automatic attachment

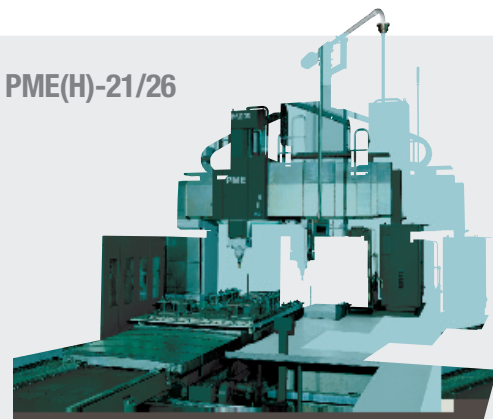


PME-32/40/50



• Distance between columns	3200/4000/5000mm
• Table size	2500/3000/4000x6000~12,000mm
• Max. load on table	30,000~100,000kg
• Spindle speed	30~3000/5~2000rpm

PME(H)-21/26



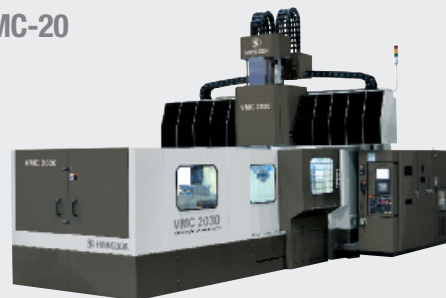
• Distance between columns	2100/2600mm
• Table size	1800/2000x3000~6000mm
• Max. load on table	12,000~18,000kg
• Spindle speed	30~3000(1~10,000)rpm

PMC(F)-21/26



• Distance between columns	2100/2600mm
• Table size	1800/2000x3000~6000mm
• Max. load on table	12,000~18,000kg
• Spindle speed	30~3000(1~10,000)rpm

VMC-20



• Distance between columns	Max.2000mm
• Table size	1500x2000/3000/4000mm
• Max. load on table	6000/8000/10,000kg
• Spindle speed	30~3000rpm

FACILITIES

With customer satisfaction our number one goal, Hankook Machine Tools implemented the ISO 9001 quality control system to ensure 100% quality assurance. Strict control is maintained over every manufacturing step from engineering and production, and continuing with sales and service.

We produce top class products in modern facilities employing highly skilled engineers and first class workmanship with precision and accuracy.



Large CNC Vertical Lathe Assembly Line



CNC Vertical Lathe Assembly Line



CNC Horizontal Lathe Assembly Line



Manual Lathe Assembly Line



Large CNC Horizontal Lathe Assembly Line



Portal type Machining Center Assembly Line

AFFILIATED COMPANIES



In the whole business field including large machine tools and industrial gears, we are going to make every effort to become a valuable and trusted company.



Gear for Marine Engine / Gear for Aircraft Parts / Gear Box for Machine Tools / Gear for Windmill Power
Gear for Turbo Air Compressor / Gear for Robot / Gear for Railway Vehicle / Transmission



Gears for Four-Stroke Engine

- Item name : Gear wheel two part
- Specification : M8×T54×O.D.460.8
- Processed qualit : DIN 5



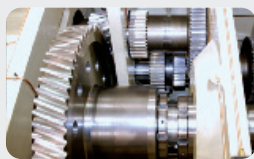
Gears for Two-Stroke Engine

- Item name : Intermediate wheel supply unit
- Specification : M20×T69×O.D.1,423
- Processed qualit : DIN 5



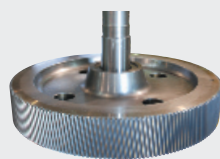
Gear for Windmill Power

- Item name : Windmill power Gears
- Specification : M12×T113/46/19
- Processed qualit : DIN 4



Gear Box for Machine Tool

- Item name : Headstock
- Spindle speed : Max. 2,000rpm
- Swing over bed : 530~3,000mm



Gear for Marine Steam Turbine

- Item name : Gears Wheel
- Specification : M3.5~M4.5
- Processed qualit : DIN 4



Gear for Turbo Air Compressor

- Item name : Bull Gears
- Specification : M1.75~M2.75
- Gear qualit : AGMA 12



HPI CO., LTD.

Gears / Gear Box / HPS

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Gyeongnam, 51570 Korea
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E-mail: hansale@hanmachine.com

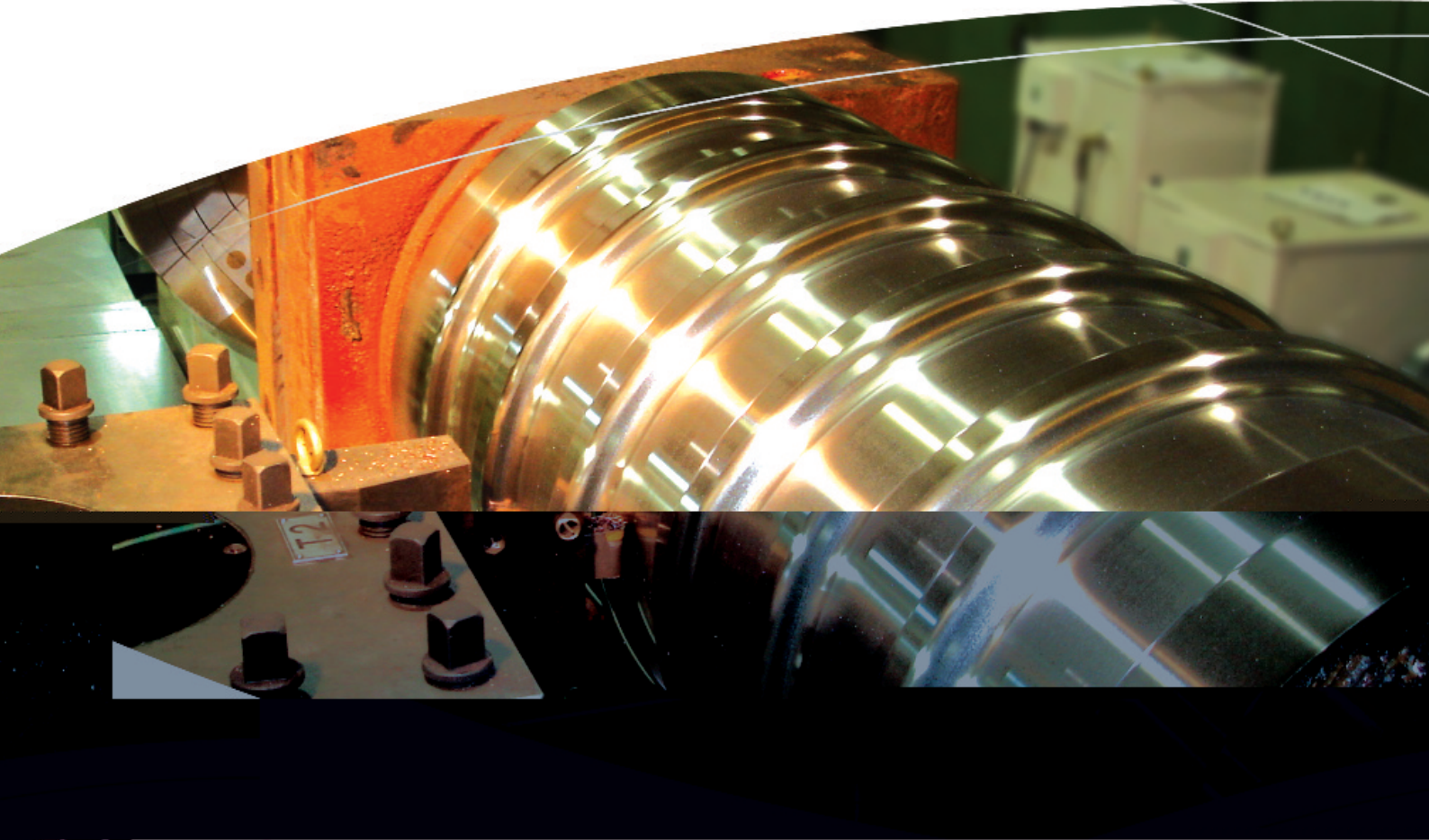
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