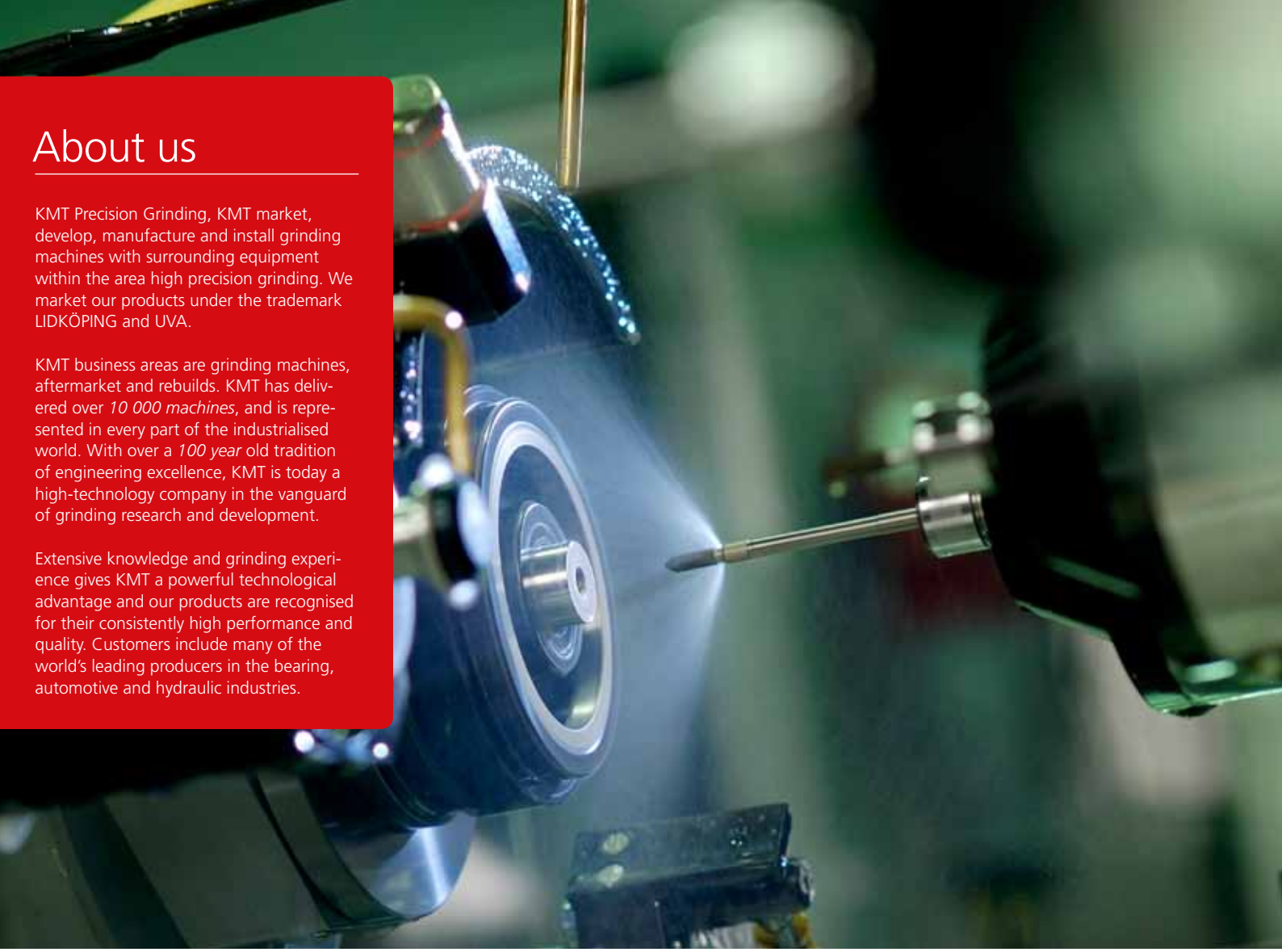
KMT Precision Grinding

Machine Program

More than 10 000 grinding machines delivered



About us

KMT Precision Grinding, KMT market, develop, manufacture and install grinding machines with surrounding equipment within the area high precision grinding. We market our products under the trademark LIDKÖPING and UVA.

KMT business areas are grinding machines, aftermarket and rebuilds. KMT has delivered over *10 000 machines*, and is represented in every part of the industrialised world. With over a *100 year* old tradition of engineering excellence, KMT is today a high-technology company in the vanguard of grinding research and development.

Extensive knowledge and grinding experience gives KMT a powerful technological advantage and our products are recognised for their consistently high performance and quality. Customers include many of the world's leading producers in the bearing, automotive and hydraulic industries.

KMT Precision Grinding Companies

Sales, Service and Manufacturing facilities

KMT LIDKÖPING, Sweden
KMT LIDKÖPING is represented in every part of the industrialised world. With over a 100 year old tradition of engineering excellence, KMT Lidköping is today a high-technology company in the vanguard of grinding research and development.

KMT UVA, Sweden
KMT UVA produces modular grinding solutions for small, high precision product components. We are committed to innovation and performance through precision in all aspects of our work and to added-value for customers through customized, high-speed, high volume solutions.

KMT PMI, India
KMT PMI perform machine rebuilding to smoothen your production flow and simplify machine operation. KMT PMI also provides spare parts for all KMT brands and products, tooling, training and onsite technical support such as quality, uptime and productivity enhancement.

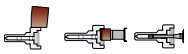
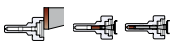
Sales and Service facilities

KMT Boston, USA
Full support of field service, spare parts and training.

KMT Leonberg, Germany
Full support of field service, spare parts and training.

KMT Beijing, China
Full support of field service, spare parts and training.

UVA Nomyline External/Internal/Face

Machine	Type	Work Holding	Principle	Work Piece Dimension	
				OD	Width
UVAi	Internal	Chucking		ø 0,5 - 100	max 200
UVAi Twin	Internal	Chucking		ø 0,5 - 36	max 120
UVAe	External	Chucking / between centers		ø 1,0 - 80	max 160
UVAie	Internal/External	Chucking		ø 1,0 - 36	max 160
UVAi Index	Internal	Chucking		ø 0,5 - 36	max 80

Pump Body

Automotive - Internal

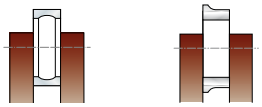
Valve lifter

Automotive - Internal

Pump Head

Automotive - External or Internal

LIDKÖPING Double Disc Face

Machine	Grinding Wheel	Principle	Work Piece Dimension	
			OD	Width
DG300	300 mm		ø 5-160	max 80
DG400	500 mm		ø 15-240	max 120
DG500	500 mm		ø 20-250	max 80
DG600	600 mm		ø 160-440	max 160
DG700	700 mm		ø 190-610	max 250
DG800	800 mm		ø 300-820	max 250

Inner Ring DGBB

Bearing - Face

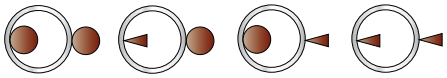
Joints

Bearing - Face

Outer Ring DGBB

Bearing - Face

LIDKÖPING Vertical External and Internal (Grinding & Hard Turning)

Machine	Type	Work Holding	Principle	Work Piece Dimension	
				ID	OD
VTG1500	Internal / External	Magnetic chucking		min Ø 440 max Ø 1 450	min Ø 500 max Ø 1 500
VTG4000				min Ø 1 000 max Ø 3 800	min Ø 1 300 max Ø 4 000

Inner Ring
Gearbox, Large Crane
Hard turning/grinding
External or Internal

Inner Ring SRB
Windmill, Radar Station
Hard turning/grinding
External or Internal

Slewing Bearing
Windmill
Hard turning/grinding

LIDKÖPING Centerless

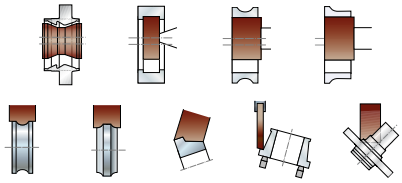
Machine	Principle	Work Piece OD	Wheel Width	Wheel Ø (Worn)
CL630		≤ 125	300 (400)	610/630 (380)
CL660		≤ 175	610 (700)	610/630 (380)

Camshaft & Crankshaft
Automotive - External

Bar
Automotive / Steel Industry
External

Outer Ring
Bearing - External

LIDKÖPING External and Internal

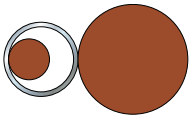
Machine	Type	Work Holding	Principle	Work Piece Dimension	
				OD	Width
SUU240	Internal / External / Flange (Rib Face)	Shoe centerless / Centric chucking		Ø 20-240	max 120
SUU320				Ø 100-320	max 140
SUU600				Ø 150-600	max 200

Flanged Outer Ring
Bearing - Internal

Inner Ring Truck Hub
Bearing - External or Internal or Rib Face

Gear Part
Automotive - Internal

LIDKÖPING Simultaneous External and Internal

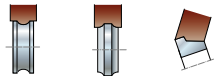
Machine	Type	Work Holding	Principle	Work Piece Dimension	
				OD	Width
SUUC240	External/Internal	Shoe grinding		ID min Ø 80 OD max Ø 250	max 130
SUUC600	External/Internal Internal/Flange			ID min Ø 130 OD max Ø 600	max 250
SUUC800	External/Internal			ID min Ø 370 OD max Ø 820	max 250

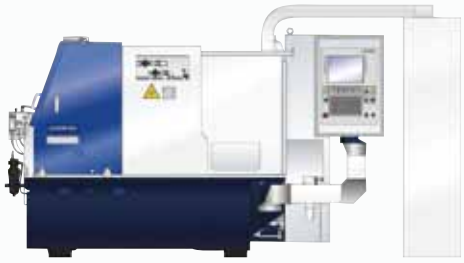
Outer Ring Railway
Bearing - External and Internal

Outer Ring Truck Hub
Bearing - External and Internal

Inner Ring SRB
Bearing - External and Internal

LIDKÖPING External

Machine	Type	Work Holding	Principle	Work Piece Dimension	
				OD	Width
SGP62B	External	Shoe centerless		Ø 7 - 62	max 40

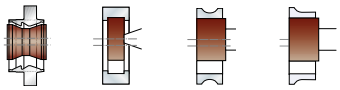


Outer Ring DGBB
Bearing - External

Inner Ring DGBB
Bearing - External

Inner RIng DGBB
Bearing - External

LIDKÖPING Internal

Machine	Type	Work Holding	Principle	Work Piece Dimension	
				OD	Width
SSB110	Internal	Shoe centerless		Ø 19 - 150	Max 65
SSB200				Ø 20 - 160	Max 100

Inner Ring DGBB
Bearing - Internal

Outer Ring HUB
Bearing - Internal

Inner Ring DGBB
Bearing - Internal

LIDKÖPING/UVA Internal

Machine	Type	Work Holding	Principle	Work Piece Dimension	
				OD	Width
Nano	Internal	Shoe centerless / Centric		Ø 8 - 72	max 52

Roller
Automotive - Internal

Bearing Cup
Automotive - Internal

Outer Ring DGBB
Bearing - Internal

Inner Ring HUB
Automotive - Internal

Worldwide Aftermarket services

Spare parts

Upgrades
Lidköping Upgrade – UPS Power Backup Solution
Lidköping Upgrade – Ballscrew & Harmonic Drive (Centerless)
Lidköping Upgrade – Control System
Lidköping Upgrade – Acoustic Emission
UVA Upgrade – Nomyline – Upgrade to CMP-70
UVA Upgrade – Nomyline Vaccum Loading (English)
UVA Upgrade – Cycle Time
UVA Upgrade – Direct Driven Workhead
UVA Upgrade – Servo Optimization

Rebuilds

Training
Grinding - The grinding process, theoretical and practical; e.g. wheel selection, optimizing, etc.

Mechanics - Set-up, display, mechanical troubleshooting, hydraulic schematics, etc.

Electrical and Electronic -Mastering the control program, electrical schematics, troubleshooting, etc.

Maintenance and Preventive Maintenance - Reading the machine's condition to identify need for adjustment or replacement of wear parts.

Service
Service engineers emergency support
Repairs, spindle, slides, circuit boards etc
Inspection and analysis
Tooling
Process support
Production Support
Service Contract

Service Hotlines
Service Hotline LIDKÖPING, GMT 06.00-16:00
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servicelidkoping@kmtgroup.com

Service Hotline UVA, GMT 06.00 – 16.00:
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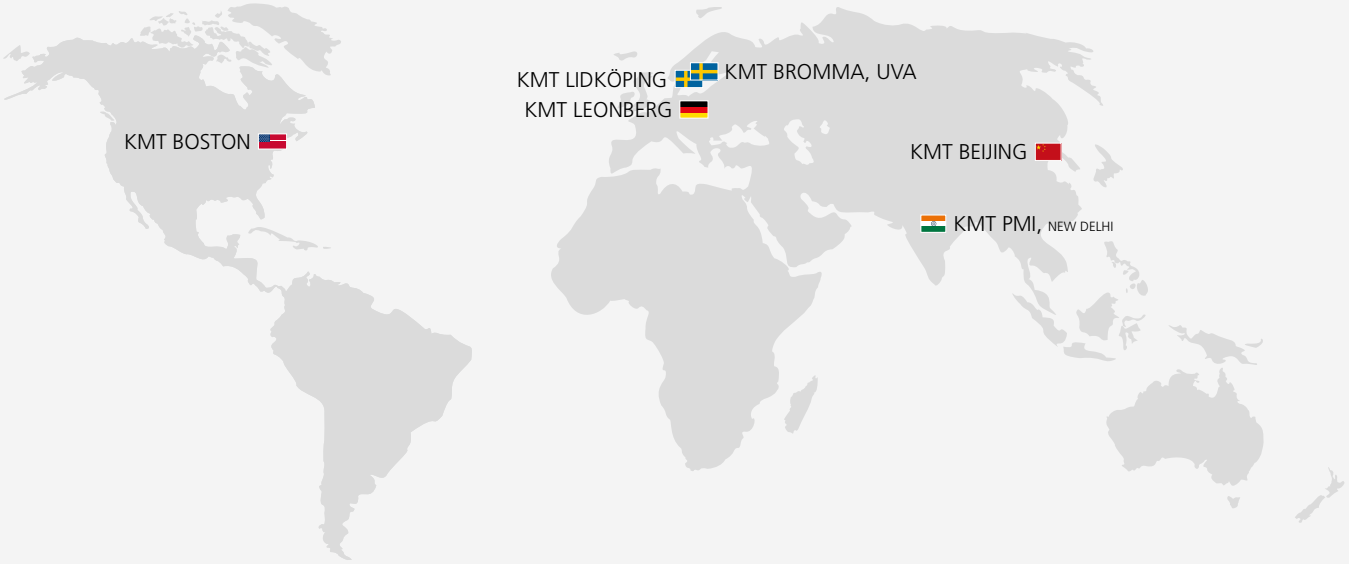
KMT Precision Grinding



Manufacturing, Sales & Service

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