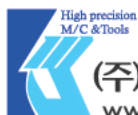


Global Solution Provider **KOHMATIC-KOREA**

- Coupling-Technology / 커플링
- High Performance Spindles / 고주파스핀들
- Power Transmission Elements / 각종 동력 전달 장치



High precision
M/C & Tools
(주)코마틱코리아
www.kohmatic.co.kr

Precision Couplings



MODEL: SK/SL/ES

Safety Couplings (Torque Limiters)

up to 2,800 Nm, bore Φ 3-100mm

- Protects from load inertia - motor torque
- patented preload for zero backlash
- Low moment of inertia
- Extremely fast disengagement

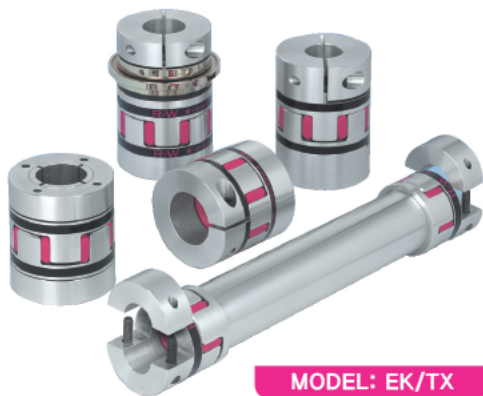
Metal Bellows Couplings

up to 10,000 Nm, bore Φ 1-180mm

- Torsionally rigid and flexible
- Low moment of inertia
- Zero backlash
- Various mounting options



MODEL: BK/MK



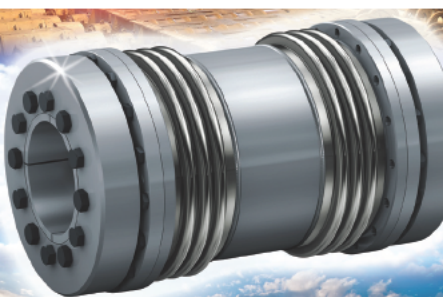
MODEL: EK/TX

Elastomer Couplings

up to 25,000 Nm, bore Φ 3-170mm

- Vibration damping
- Elastomer inserts of various hardness
- Backlash free
- High lateral misalignment

Can be installed in all applications!



ATEX II 2 G D
Ex IIc c T4 / 135°





MODEL: ZA/EZ

Line Shafts

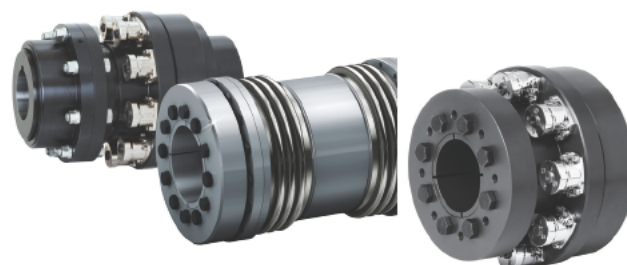
up to 25,000 Nm, bore Φ 5-140mm,
length up to 6m(19.68ft)

- Easy installation and removal
- Backlash free and torsionally rigid
- No intermediate support bearing required

High Torque Couplings

up to 500,000 Nm (standard),
bore Φ 18-290mm

- Complete separation at torque overload
- Easy re-engagement without special tools
- High torsional stiffness



MODEL: ST/BX/BZ



MODEL: LP

Disc Pack Couplings

20,000 Nm (standard),
bore Φ 18-170mm

- High strength screws and bushings
- Customer specified length available
- Very high torsional stiffness



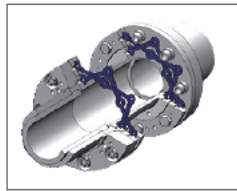
Flexible Shaft Couplings

Diaphragm Flexible Shaft Coupling, Powerful & High speed



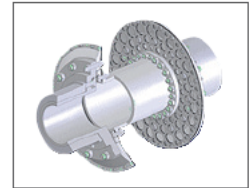
Ultra FLEXX Couplings

(430~5,200,000 Nm)



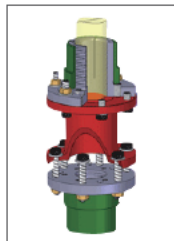
FLEXXOR Couplings

(330~5,200,000 Nm)



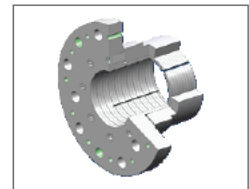
Vertical Clamp Couplings

(430~5,200,000 Nm)



Anderson Clamp Hubs

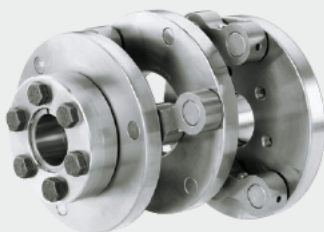
New standard in shaft mounting



SCHMIDT-KUPPLUNG
GmbH



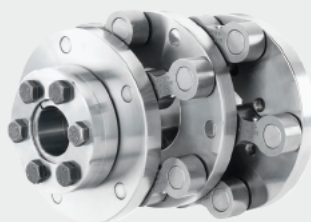
Offset Couplings The precision coupling for an extreme offset



S-Series

Bore diameter up to 80mm
Torque 44Nm to 2,875Nm

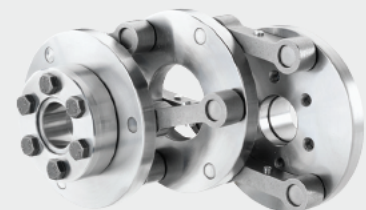
-Symbiosis of performance, compact design and generous offset capacity



P-Series

Bore diameter up to 95mm
Torque 44Nm to 6,610Nm

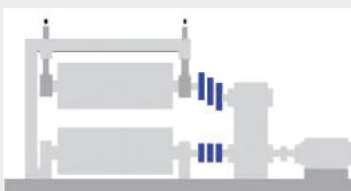
-More torque transmission while retaining compact design



V-Series

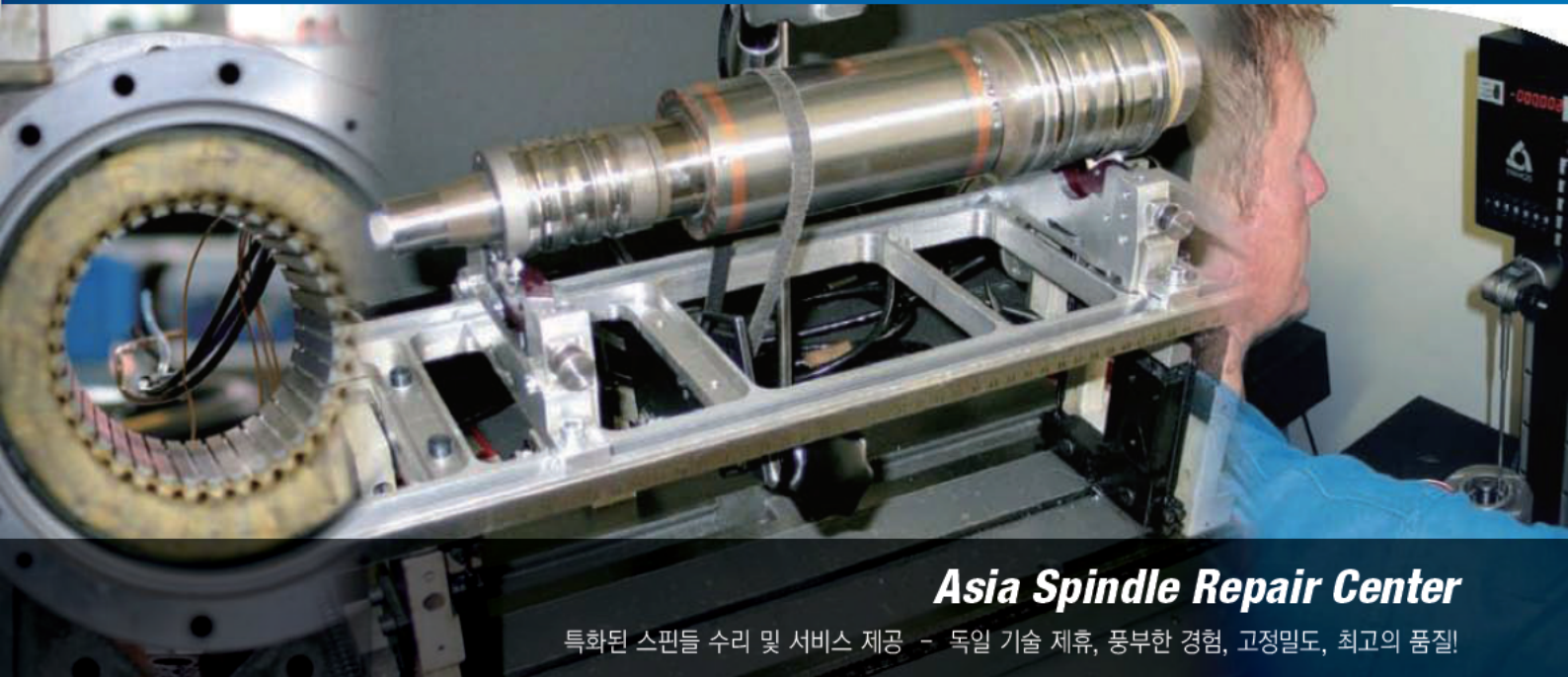
Bore diameter up to 80mm
Torque 44Nm to 3,830Nm

-Extreme parallel shaft offset while retaining compact design



Schmidt-Coupling instead of U/J cardan Shaft

- No reaction forces
- Radial offset up to 266mm
- High torque transmission (up to 250,000Nm possible)
- Absolute constant angular velocity



Asia Spindle Repair Center

특화된 스피들 수리 및 서비스 제공 - 독일 기술 제휴, 풍부한 경험, 고정밀도, 최고의 품질

Spindle Maker

Voumard, Fischer, Weisser, Omlat, GMN, Fortuna, Renaud, Precise, Ka Vo, Perske, Jager, Ibag, Heller, Hauser, Gamfior, Faemat, FAG, Bryant, Colombo, Deuschle, Blohm, SKF, Wwiss, Kessler, Junker, UVA, TDM, HSD, Step-Tec, Cytec, DMG, IMT, Jung and others alike.

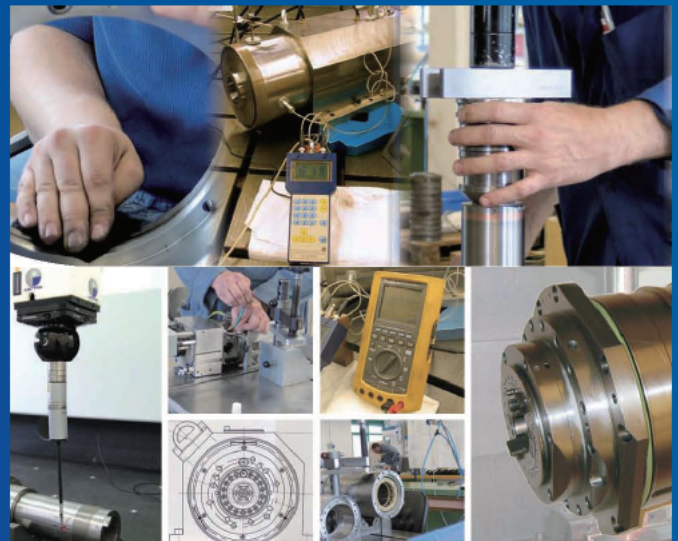
Low Pressure Control Units

- 확실한 냉각효과, 냉각수 사용 최소화
- 절삭공구의 윤활 기능
- 머신과 톨의 수명 연장



Spindle Type

벨트 구동 스피들 / 자동공구교환 스피들 / 고주파 스피들 / 밀링/ 연삭 스피들 / 연삭 스피들 / 목재 가공용 스피들 / 선반 스피들



도이슐레코리아 유한회사

경기도 군포시 고산로 166 SK벤티움 104-1112

TEL 031-436-2252 / FAX 031-436-2230

workshop@deuschle.co.kr

www.deuschle.co.kr

High frequency Spindles Up to 100,000rpm

Z-Line

- Cylindrical Spindles with three different tool change systems
- Manual tool change / Pneumatic direct change / Pneumatic taper change (WK/BT/HSK/ISO)
- Rated speed of up to 100,000rpm

F-Line

- High-frequency machine spindles for high-speed milling, drilling, grinding and engraving
- Customized spindle flange
- Rated power from 5.5 to 36kW
- Rated speed of up to 50,000rpm

SK-Line

- Short taper spindles for manual or automatic replacement in the tool machine
- Manual tool change: using pressure collets or manual HSK
- Automatic tool change: using WK tool mount tapers, WK shrinking mount tapers or HSK tool tapers



Power-Line

- More output with the same housing diameter
- Partial saving of coolant
- Higher torque
- Cooler shafts
- Stiffer bearing system
- Brushless synchronous motors with sensor-free drive



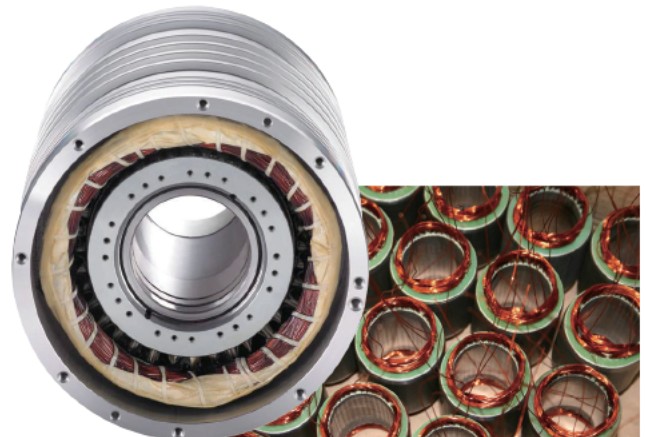
Chopper-Line

- Attractive price
- Various tool clamping systems in one basic body
- No costs for an external cooling unit as the Chopper spindles are air-cooled



DentaDrive

New Evolution in Dental Business



Motor Element

AC induction motors & BLDC motors

Accessories



Cooling units



Cooling liquid



Frequency converters



Spindle holder



Tool holder



Pick up station for tool change

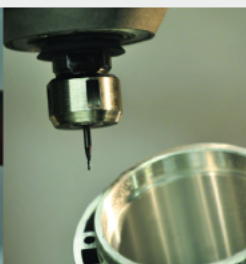


Collets

Example of Applications



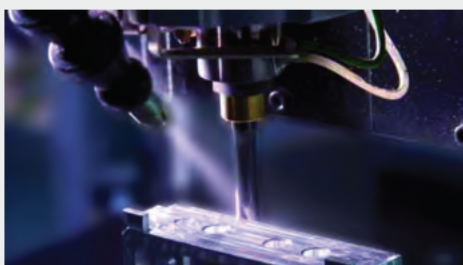
Grinding Solution



Robot Application



Conductor Boards



Tool & Mold Construction



Dental Technology



Engraving

Air Bearing Spindles

Extensive range of models available up to 375,000rpm



DS Series

- For Wafer Dicing
- High Speed
- Low Run-out
- Low Maintenance
- Various Body Style



MM Series

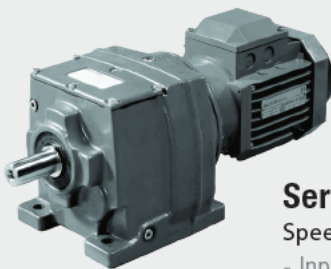
- For Micro Machining
- Superior Accuracy
- Range of Options
- Low Maintenance
- High Load Capacity



LGS Series

- For Optical Machining
- High Accuracy
- Low Error Motion
- High Stiffness & Load Capacity
- Adjustable Collet Grip

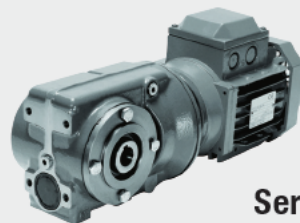
Geared Motors



Series M

Speed reducing geared motors

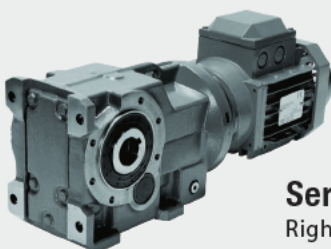
- Input Power : Up to 90kW
- Output Torque : Up to 11,000Nm



Series C

Right angle helical worm geared motors and reducers

- Input Power : Up to 45kW
- Output Torque : Up to 10,000Nm



Series K

Right angle helical bevel geared motors

- Input Power : Up to 90kW
- Output Torque : Up to 12,300Nm



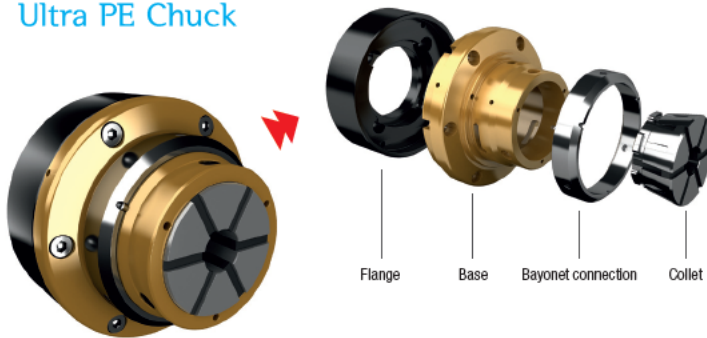
Series F

Shaft mounted unit

- Input Power : Up to 110kW
- Output Torque : Up to 16,500Nm

Clamping & Driving System

Ultra PE Chuck



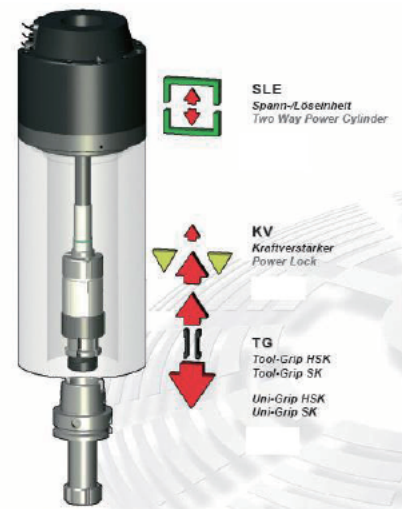
Chuck

- Concentricity $\leq 4\mu\text{m}$
- Reproducible changeover accuracy $\leq 4\mu\text{m}$
- With removable and stop
- Extremely low-maintenance
- Interference contour reduced to a minimum

Collet

- Changeover without the need for additional tools
- Clamping diameter 4-52mm
- Clamping tolerance $\pm 0.5\text{mm}$
- Six-segmented collet design for even mounting, higher clamping forces and reduced deformation

Tool Clamping System



HSK Tool Holders

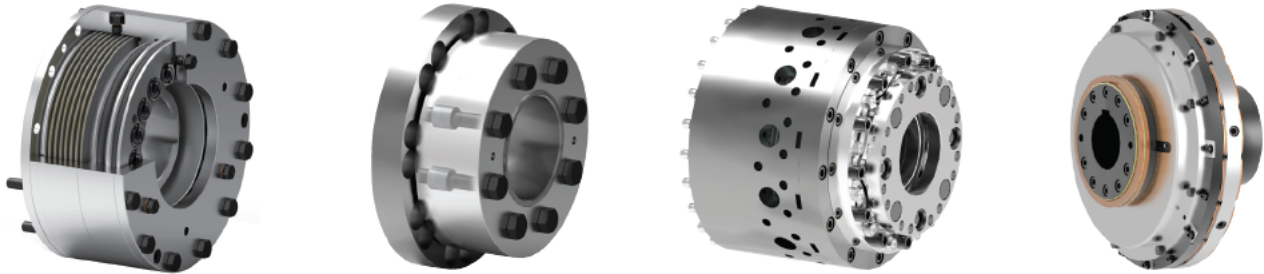


Gauging Systems

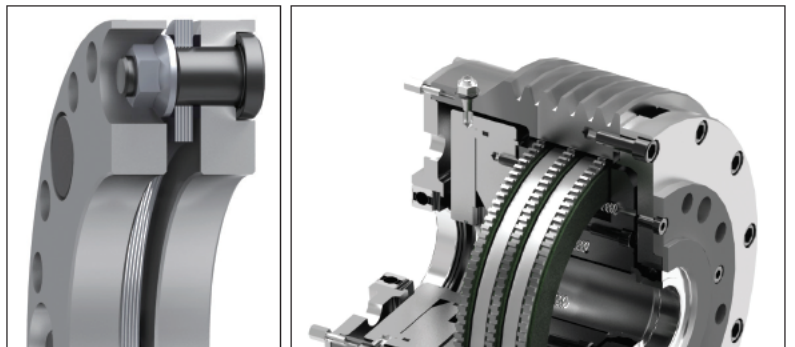


for the measurement of Tool Holders and Spindle Tapers

BSD Torsionally Stiff Couplings



Type MODULFLEX® & Claming Hub System
for Industrial Application & Test Bench Application



Power Couplings & Drive Shafts

Industry / Energy / Rail / Marine

SERIES

- CENTAFLEX - CENTALOC
- CENTAMAX - CENTALINK
- CENTAX - CENTADISC



Miniature Slip Clutches



Mechanical Slip Clutches



Pneumatic Slip Clutches

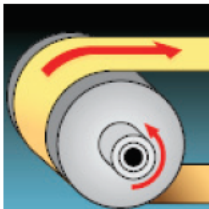


One Way Clutches



Toothed Jaw Clutches

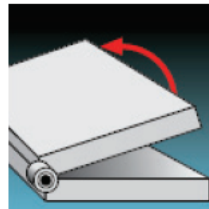
Applications



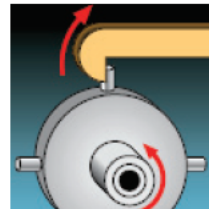
Tension & Force Control



Torque Control



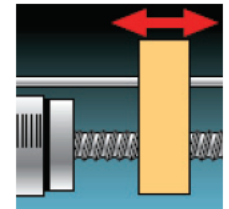
Position Retention
and Brake



Indexing



Soft Starts/Cushioned Stops



Overload Protection

Polyclutch® Slip Clutches can slip continuously or intermittently for over 30 million cycles

R+L HYDRAULICS
HYDRAULIC COMPONENTS · POWER TRANSMISSION · OIL COOLERS



Hydraulic-Components & Power Transmission & Oil Cooler

Bellhousings
SPIDEX Couplings
DENTEX Couplings
AI reservoirs & Accessories
Damping Elements

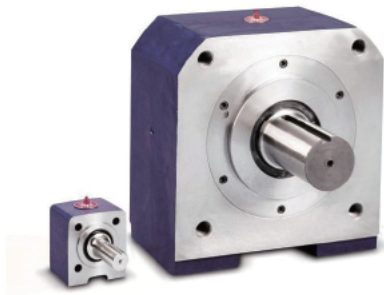
Elastic Couplings
Torsional Couplings
All Seal Gear Couplings
Disc Couplings

Oil-Water Coolers
Oil-Air Coolers
Cooling Systems
PK Heat Exchangers
Cooler Bellhousings

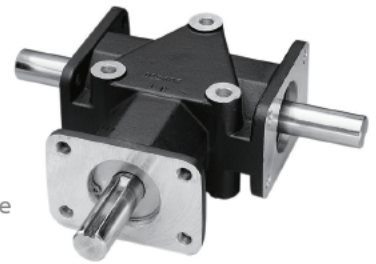


Motion control

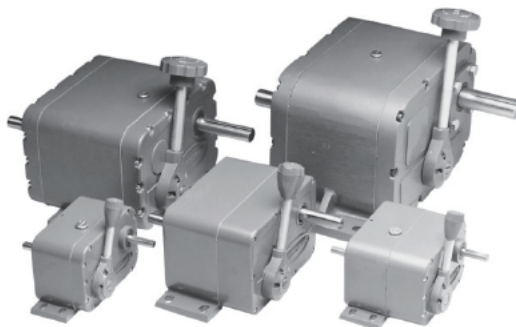
Overhung Load
Adaptors



Crown Gear Right Angle
Gearbox



Visible Speed
Mechanical Drives

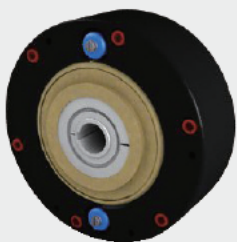


Keyless Locking
Bushings

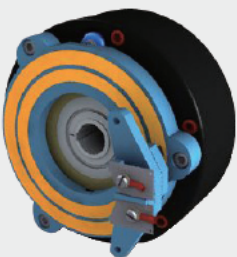


MEROBEL

Smooth & Accurate torque control



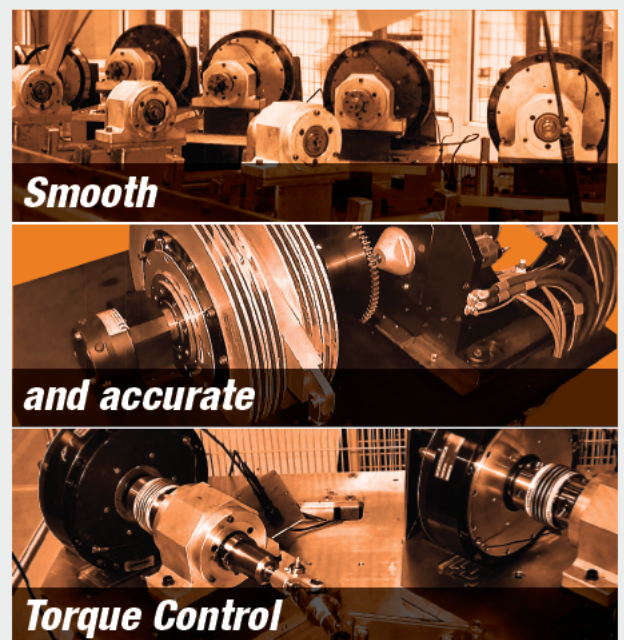
Power Supply



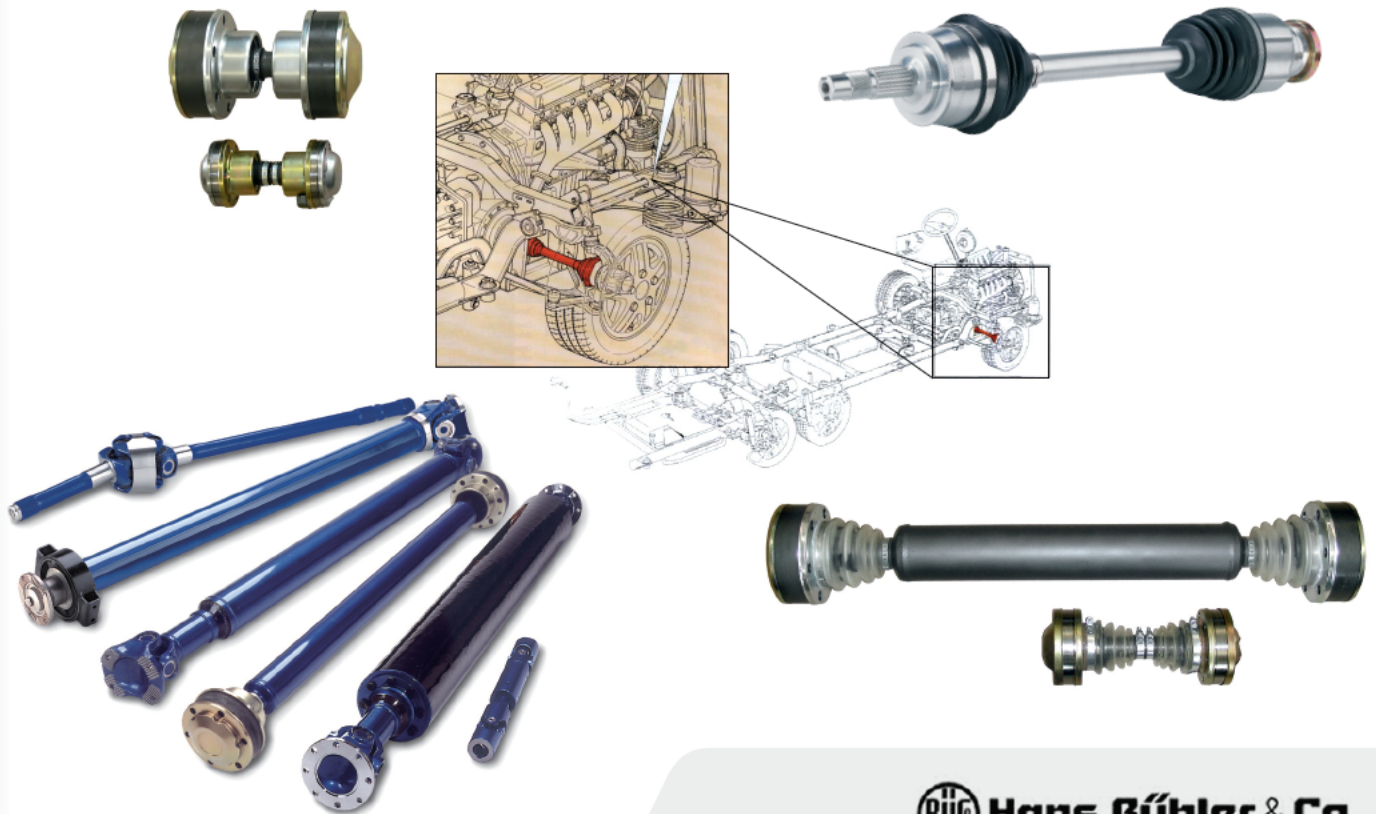
EMP (Electronic Magnetic Powder)
Brake & Clutches



Digital Controllers



CV Drive Shafts



 **Hans Bühler & Co.**

Universal Joints & Extendable Shafts



Precision Torque Transducers



Rotating Torque
Transducers : Digital



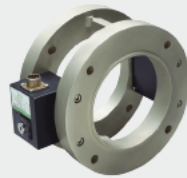
Rotating Torque
Transducers : Analog



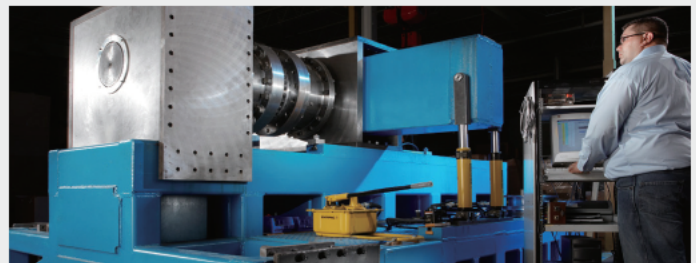
Signal conditioning
Instrument



Special Purpose Rotary
Transducers



Reaction Torque
Transducers



Calibration Services



Clamping Units



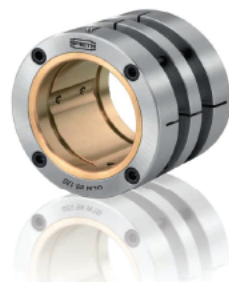
Locknuts



Clamping Sets



Guide Bushings



Radial Plain Bearings



Clamping nuts

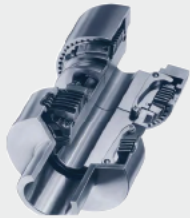


Guide Gibs

*** Metric and Inch sizes available**

Clutch & Brake

Clutches and Brakes



Mechanical



Electromagnetic



Pneumatic



Hydraulic

Economical and Individual Solution



Pneumatic
Clutch Brakes



Hydraulic
Clutch Brakes



Safety Clutches



Discs



Swarf Conveyors



Shaft-to-Hub-Connection Locking Systems

Locking Elements

Intermediate Locking Systems



Locking Devices

Intermediate Locking Systems



Shrink Disks

Exterior Locking Systems



Locking Bolts

Interior Locking Systems



Press-Fit-Bolts



Flange Couplings



Shaft Couplings

“최적의 솔루션으로 고객만족을 우선으로 하는 기업이 되겠습니다.”

Get the Right Drive KOHMATIC - KOREA

세계 Power Transmission 분야 기업들의 한국 파트너
국내 산업설비, 기계 및 자동화 시스템, 운송 시스템 등에 공급

- 기계요소 핵심부품 Power Transmission 공급
- 부품 기술지도 및 자문
- 신기술, 신제품 공급을 위한 연구 및 개발 투자

본 사 : 경기도 군포시 고산로 148번길 17 (당정동) 군포IT밸리 B동 2202호
Gunpo IT Valley B-2202, Gosan-ro 148-17, Gunpo, Kyunggido, KOREA (Zip 435-733)
당정지점 : 경기도 군포시 고산로 166 (당정동), SK벤티움 104동 1112호
창원지점 : 경상남도 창원시 의창구 창원대로 386 (팔용동)

대표전화 (TEL): +82-2-574-9345 홈페이지 : www.kohmatic.co.kr
대표팩스 (FAX): +82-2-578-1882 E-mail : kohmatic@kohmatic.co.kr

“검색창에 코마틱코리아를 입력하세요.”