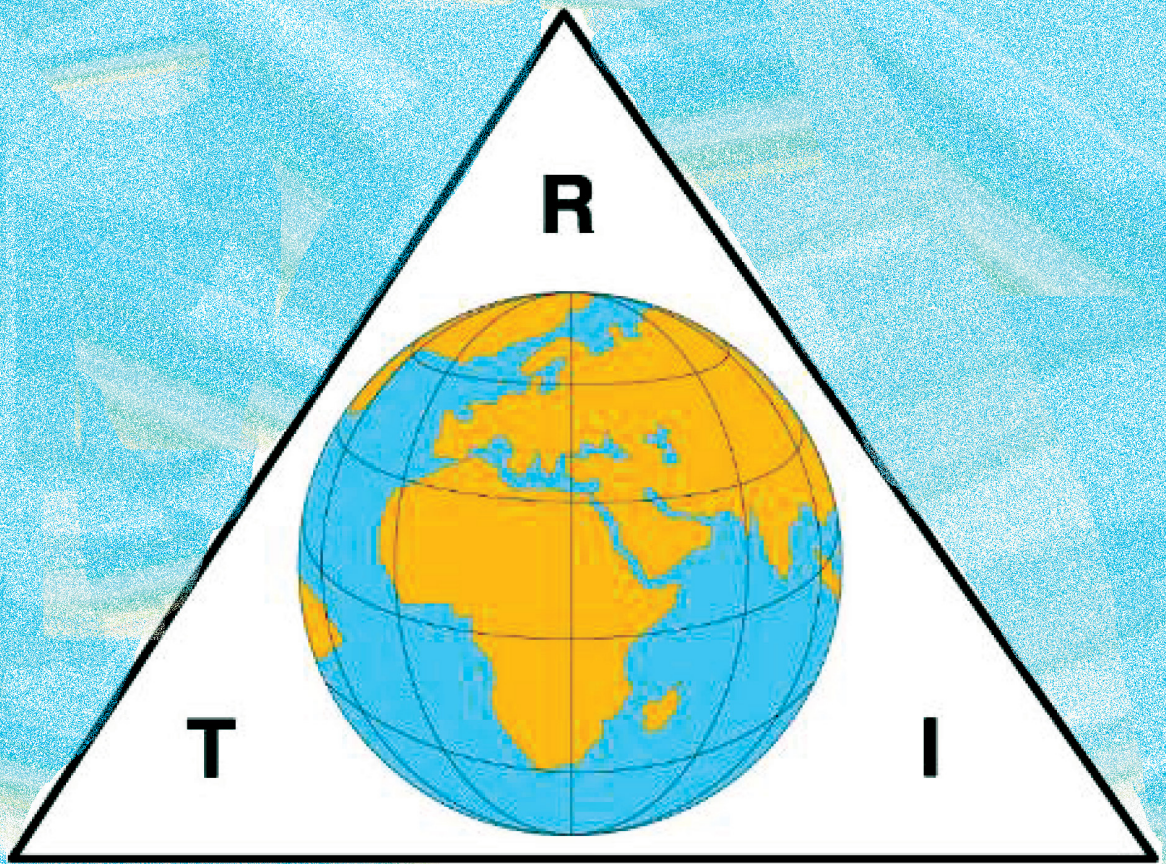


COMPANY PROFILE





Introduction

TRI MACHINERY TRADING & RENTAL CO.LLC is one of the leading suppliers for all kinds of Spare Parts related to Concrete Ready-mix Industry, Equipment and Construction Machinery.

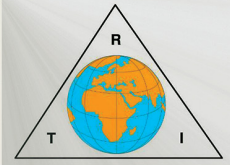
Tri Machinery Trading & Rental CO.LLC is operating in GCC to provide the best resources to serve customer needs.

Off late we have had the honour to represent the following companies in GCC: -

- **ASA HYDRAULIK (AUSTRIA)** www.asahydraulik.com based hydraulic cooling systems.
- **KRAUS & NAIMER** switches (AUSTRIA) <http://www.krausnaimer.com/> based on electrical switches, isolators, contactors, relays, key lock switch, pad lock switch, push button switch etc.
- **HBC RADIO REMOTESYSTEM(GERMANY):** - <https://www.hbc-radiomatic.com/en/products/transmitters/spectrum-ex-category-3.html>.
- **TELETEC RADIO REMOTE SYSTEM:** - <https://www.teletec-gmbh.de/en/>
- **CSN Cardon shaft** www.csn-me.com based on all kind of cardan (propeller) shafts for industrial machineries, marine and construction equipment, as well Trucks above 7.5 t and Light Commercial Vehicle.
- **SOVATEC** <https://sovatec.com/en>
- **SCAM TECHNOLOGY** <https://www.scam-technology.com/> based on vacuum pump, heat exchangers.

Kindly go through the detailed brochures & send us your valued enquiries & we will be more than happy to assist you.

In case of any clarifications needed, please feel free to contact us.



WHAT WE DO

SALES & TRADE

- Our core competence is in providing timely solutions for the spares needed at our customers end.
- A full service of importing, storing, selling and shipping to customers, and providing marketing support.
- We cover a wide customer network and sales is organized by the territorial principle.
- The sales team is trained using the knowledge, experience and principles of companies with whom we cooperate.
- With excellent organization and experienced team, we keep our brands at the top in the market.





OUR PRESENCE

HEAD OFFICE

TRI MACHINERY TRADING & RENTAL CO. LLC

PO BOX : _ 62520, DUBAI, U.A.E

TEL: +971 4 297 7372, FAX: +971 4 297 7379.

Email id: tridubai@emirates.net.ae

BRANCHES

Sharjah Showroom

Tri Machinery Trading & Rental Co. LLC.

SHOP NO :-3, Meliha Road,
Industrial Area 11, Near Bin Laden Signal,
Sharjah, U.A.E.

Email:- infoshj@trimachineries.com

TEL:- +971 6 5346860, FAX:- +971 6 5346563.

www.trimachineries.com

Abu Dhabi Showroom

P.O BOX:-127177, Abu Dhabi, U.A.E

TEL:- +971 2 554 8610, FAX: - +971 2 554 8612.

Email:- info@auh@trimachineries.com

Al Ain Showroom

Email:- info@alain@trimachineries.com

TEL:- +971 2 554 8610, Cell:- +971 55 790 1009.

www.trimachineries.com

Oman Showroom

Tri Machinery Trading & Rental & Services (LLC)

P.OBOX:-2044, PC-130
Ghala Hieghts, Shop No:03,
Muscat, Sultanate Of Oman

Email:- infomuscat@trimachineries.com

TEL:- +968 9177 6992, FAX:- +968 24524592

www.trimachineries.com

Salalah Showroom

TRI MACHINERY TRADING & RENTAL & SERVICES LLC

P.OBOX:-2044, PC-130
Salalah Industrial Area, Al salam Tower, Salalah-
Sultanate Of Oman

Tel: +968 2411 7387, Mob :- +968 2312 0807

infosalalah@trimachineries.com

Qatar Showroom

German Arab Parts Trading & Services W.L.L

Industrial area 2, Behind Salam Petrol Station,
Doha, Qatar.

Email:- infogat@trimachineries.com

TEL:- +974 44504912/44504939, FAX:- +974 44502165.

www.trimachineries.com

Franchise Office

TRI MACHINERY TRADING & RENTAL P.L.C

SUB CITY BOLE KEBELE 08/09,
Addis Ababa-Ethiopia,

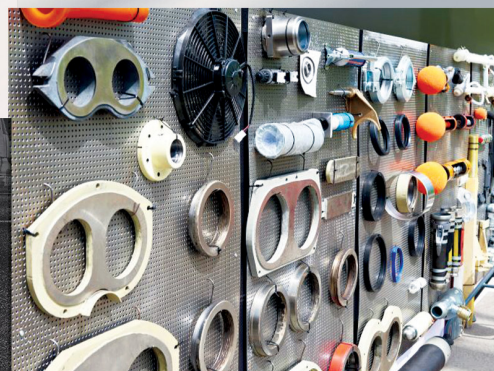
CONCRETE PUMP PARTS



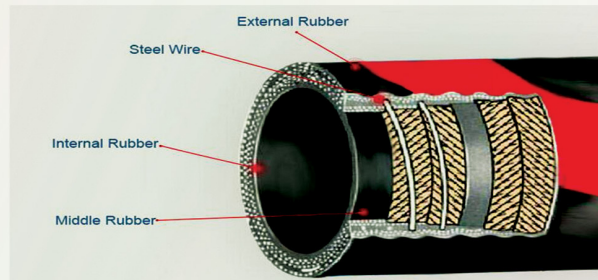
ALL KINDS OF BUCKET ITEMS



We are one of the leading suppliers for all kinds of spare parts related to concrete readymix industry ,Equipment and construction machinery.



END HOSES FOR CONCRETE PUMPS



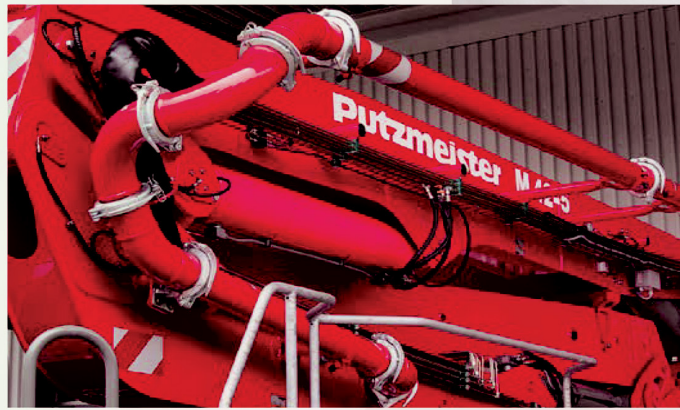
PIPES & ELBOWS



CLEANING BALL, RUBBER SEAL WELDING FLANGE



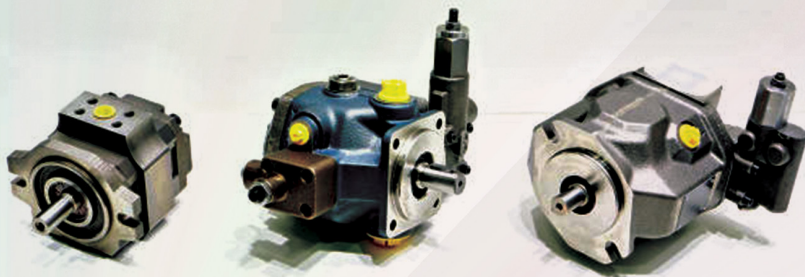
CLAMPS FOR CONCRETE PUMPS



HYDRAULIC PUMPS



RUBBER PISTONS



GUIDE RINGS AND HYDRAULIC FILTERS

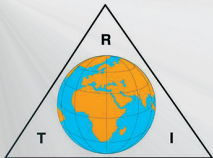


PLUNGER CYLINDERS

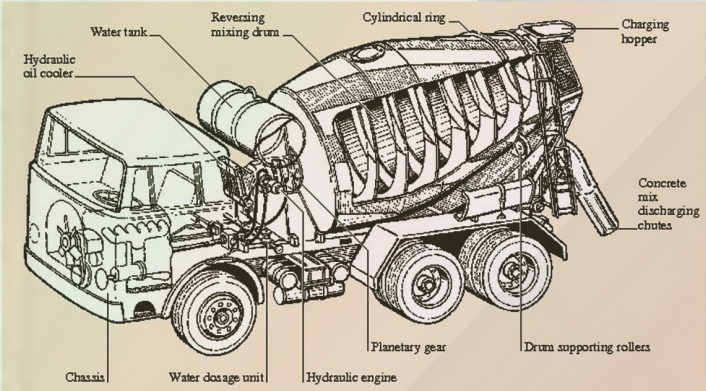
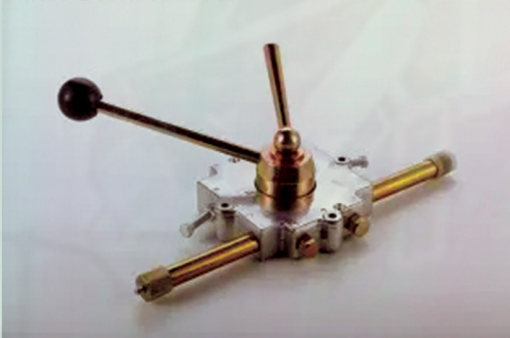


Homepage: www.trimachineries.com

PARTS FOR TRANSIT MIXERS



Rack Control lever



Complete Roller Assembly



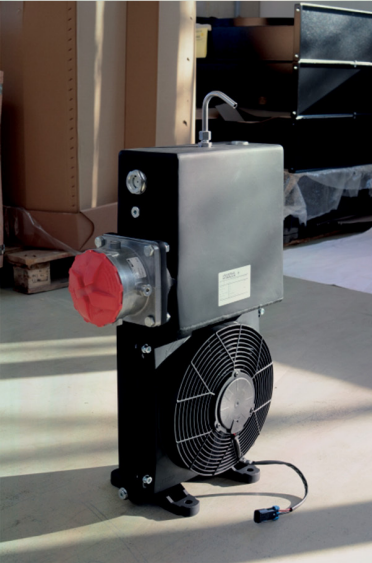
PTO SHAFT



Double Bearing Water pump



Oil Cooler Assembly

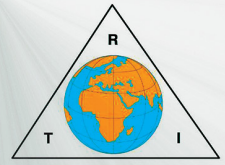


Drum Cable



Chute Handle





Thermal Systems

- Standard and customized thermal management
- Cooling systems with tank, filter and control blocks for mobile and industrial applications

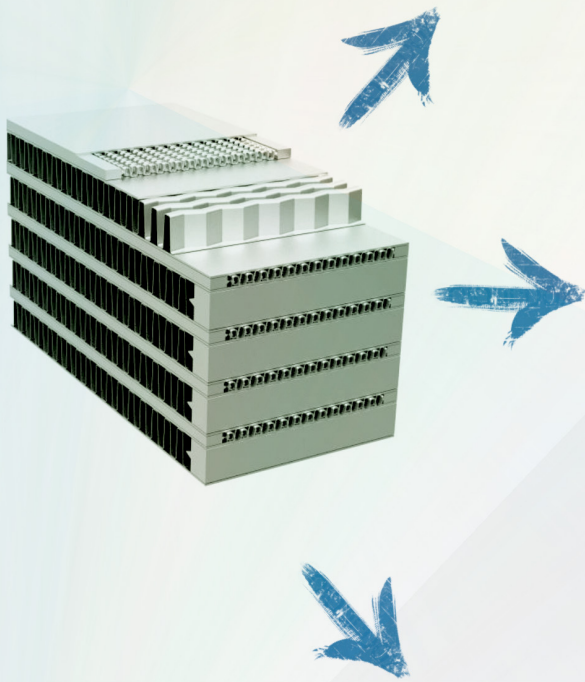
Pumps

- Efficient gerotor pumps
- Compact motor pump units for specific markets

Connection Technology

- Tank / pump accessories
- Anti vibration accessories

Thermal systems



W Line

Life time reliance

benefits: high corrosion protection C5-M
product group: thermal technology
applications: power pack cooler, ...
options: offline system with pump
temperature control, ...
sizes: up to 300kW



ATEX Series

Quality through standardization

benefits: flexible connections, ...
product group: thermal technology
functions: explosion proof cooling
applications: ATEX zones 1, 2 and 22
options: hydraulic drive
sizes: ASA 0177 to 1508



Motor Line / Thermal Motor Management Customized Engineering

benefits: Kuli calculation and product selection
product group: thermal technology
functions: water/oil/charge air cooling
applications: motor heat management
options: modular setup,
sizes: up to 1250mm radiator block size

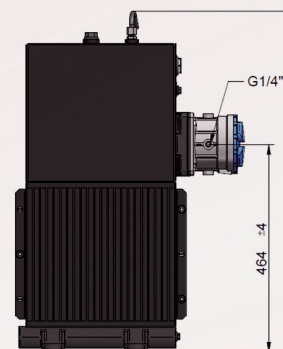
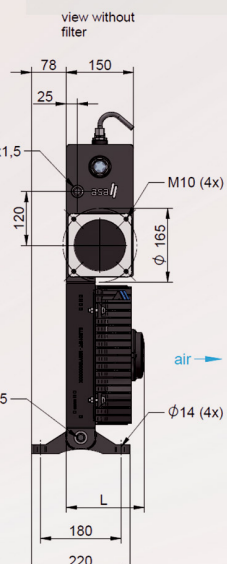
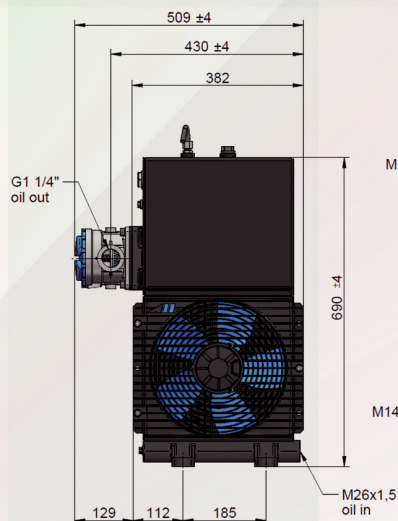
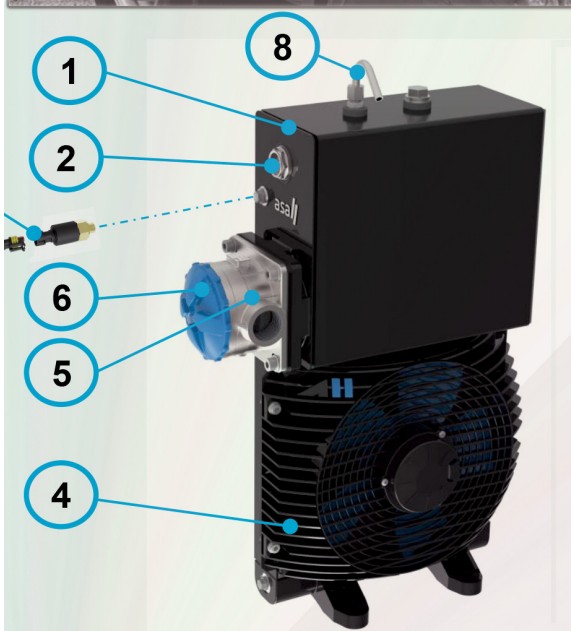
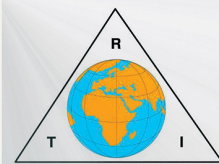




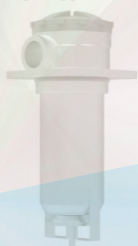
ECO 11 FTF

hydraulic oil conditioning

cooler • filter • oil tank • fan drive



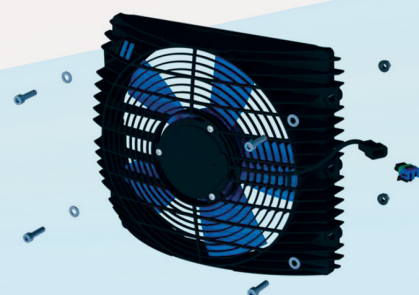
5a. HFSE000074
(Argo type ES074)



5b. HFSE000074B01
(MP Filtri type SF series)



7



Connection Technology

High Pressure compensator

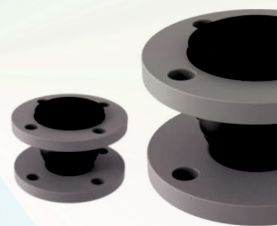
- up to 16 bar working pressure
- high movement capabilities
- reducing vibrations
- compact flange to flange dimension

Sizes

NG 25 to NG 500

max. working pressure:

- NG 25 to NG 300: 16 bar
- NG 400 and NG 500: 10 bar



Rubber

materials

- inside: NBR
- outside: CR

others on request

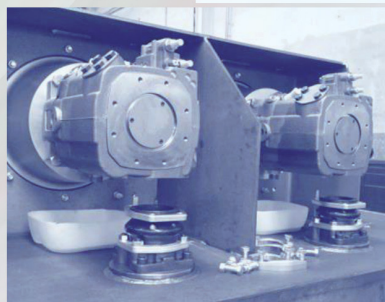


Flanges

materials:

- zinc coated
- marine protected
- stainless steel

standards: DIN & ASA, others on request



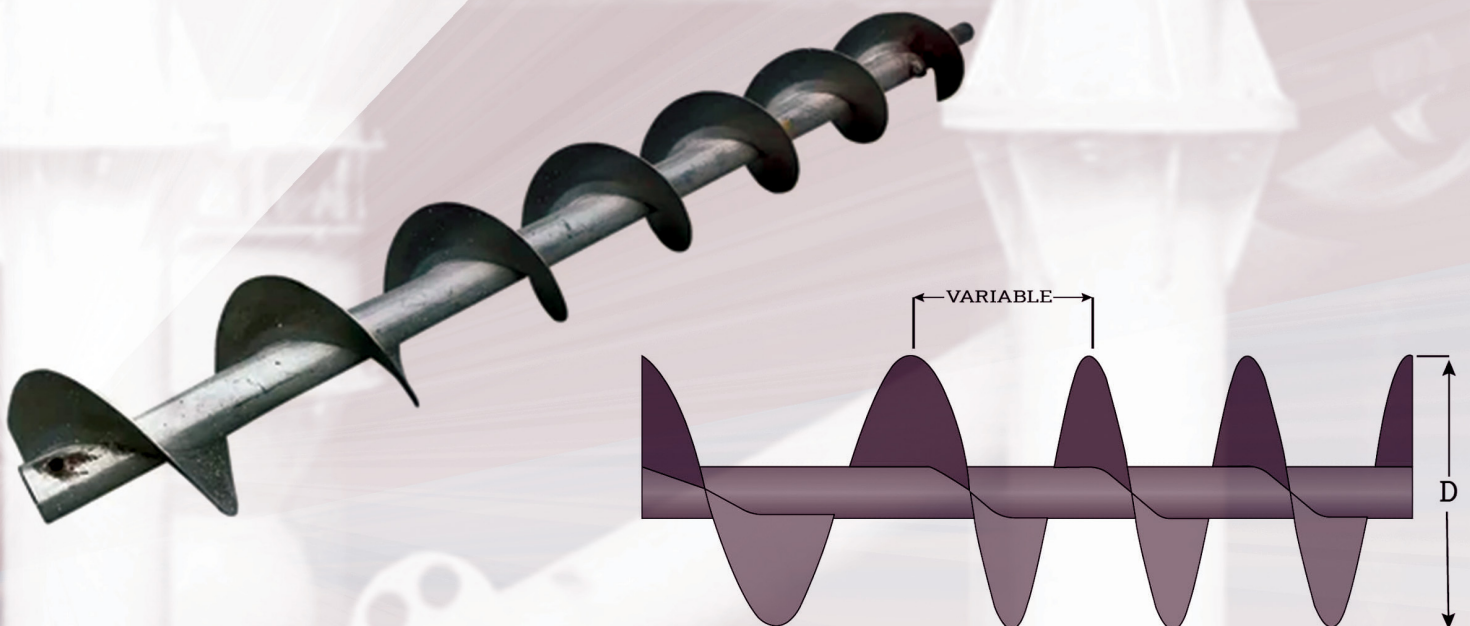
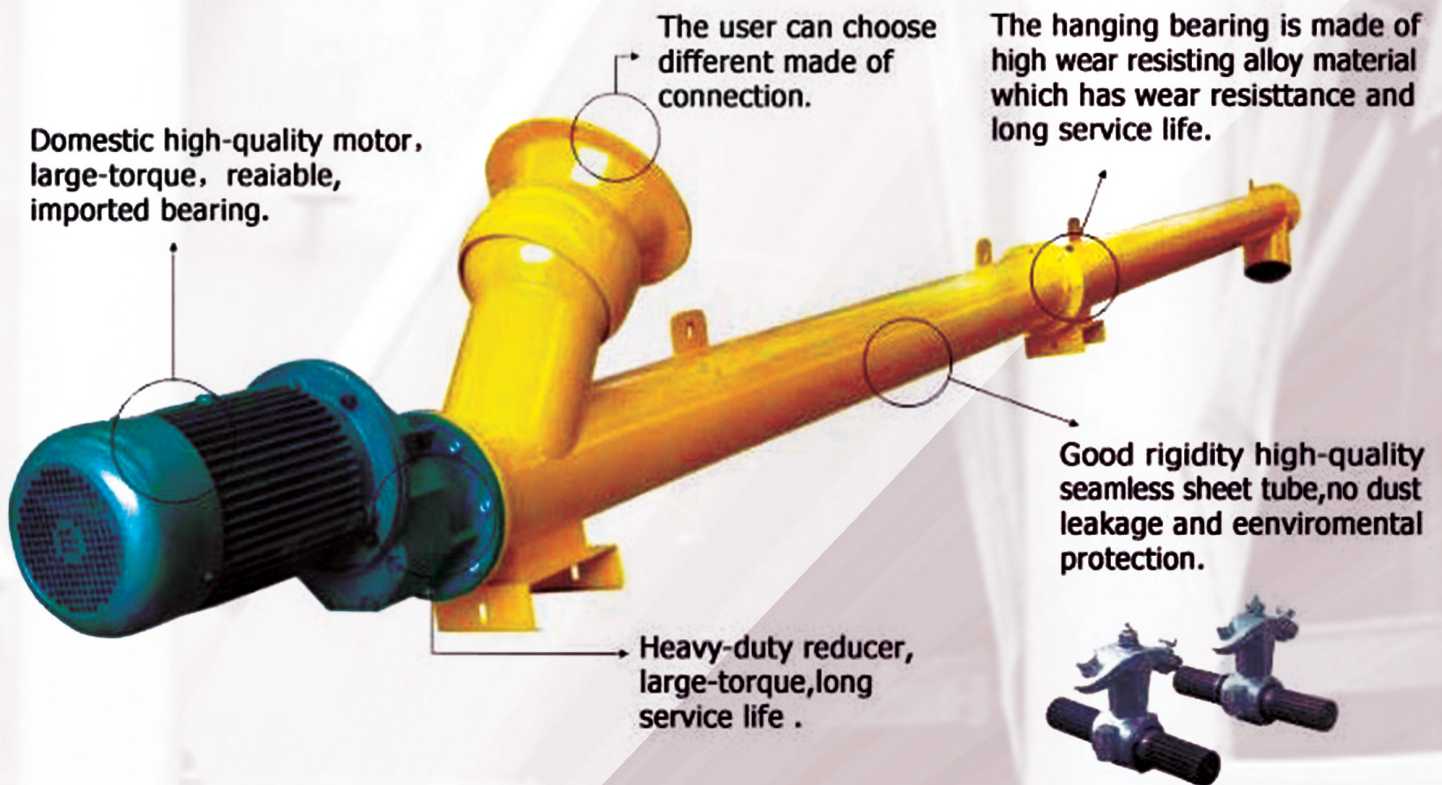


WAMGROUP®

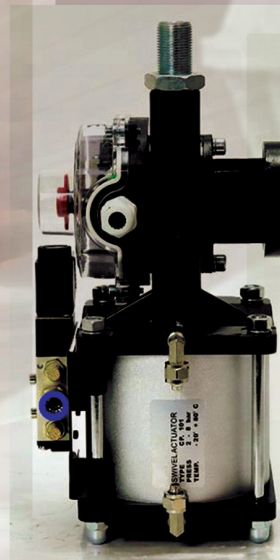
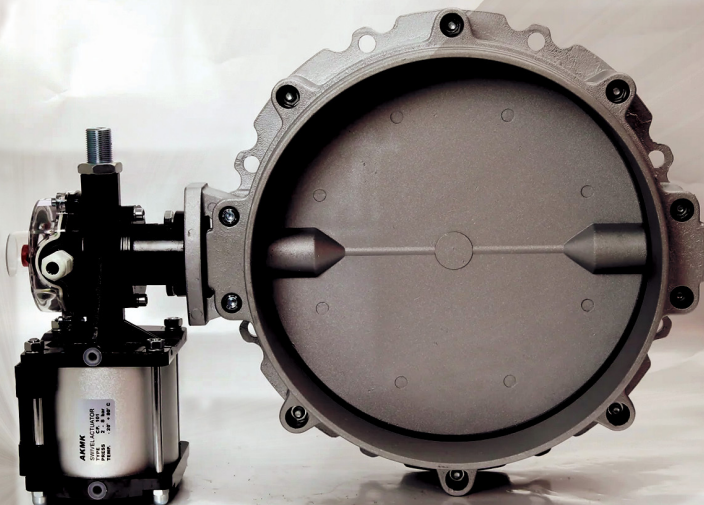
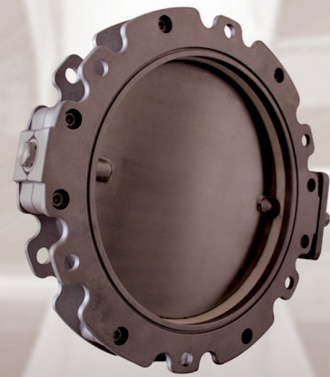
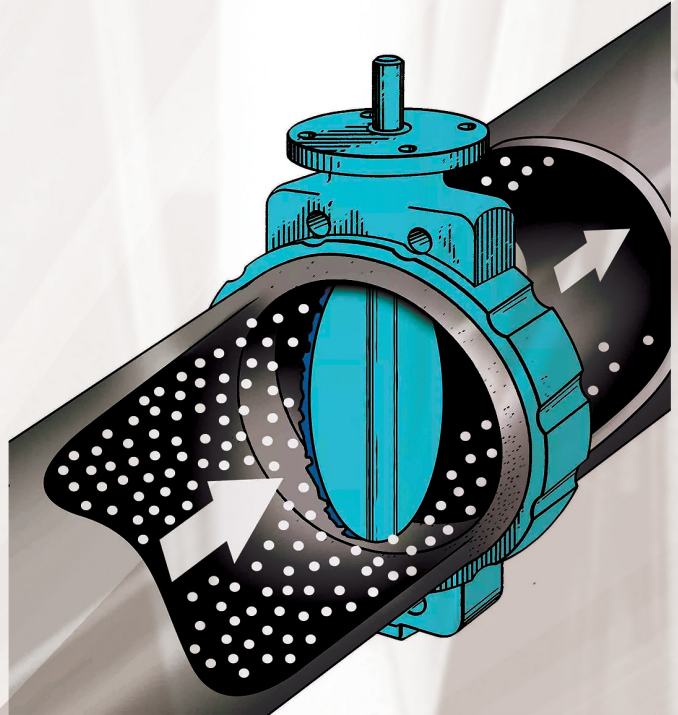


A complete series of accessories helps our clients to obtain a concrete with specific characteristics and consequently high quality final concrete products.

CEMENT SCREW ACCESSORIES

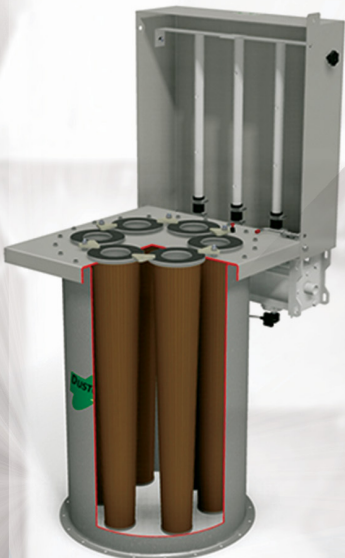
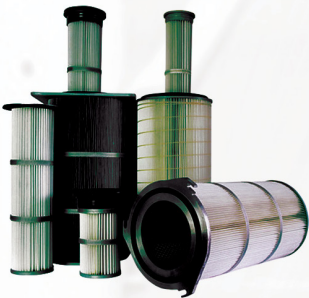
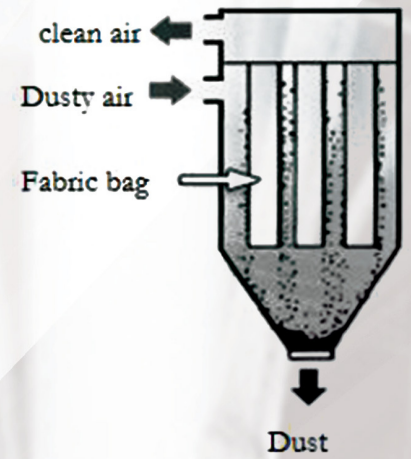
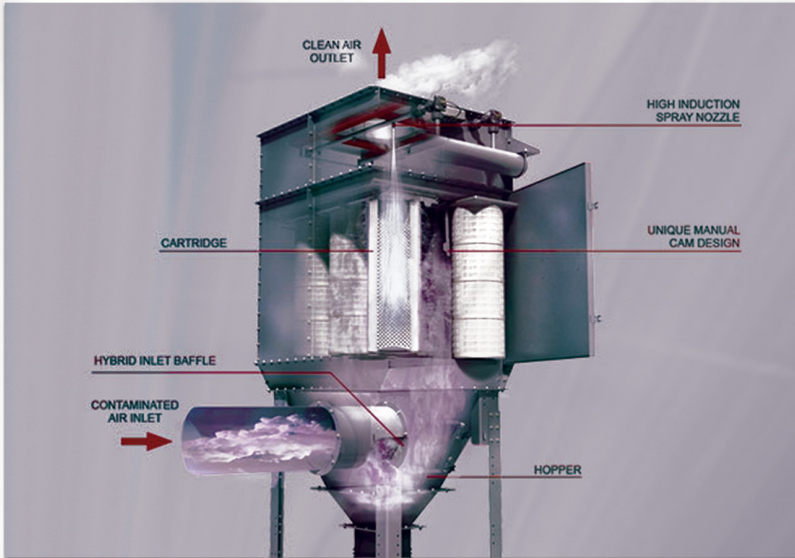
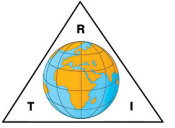


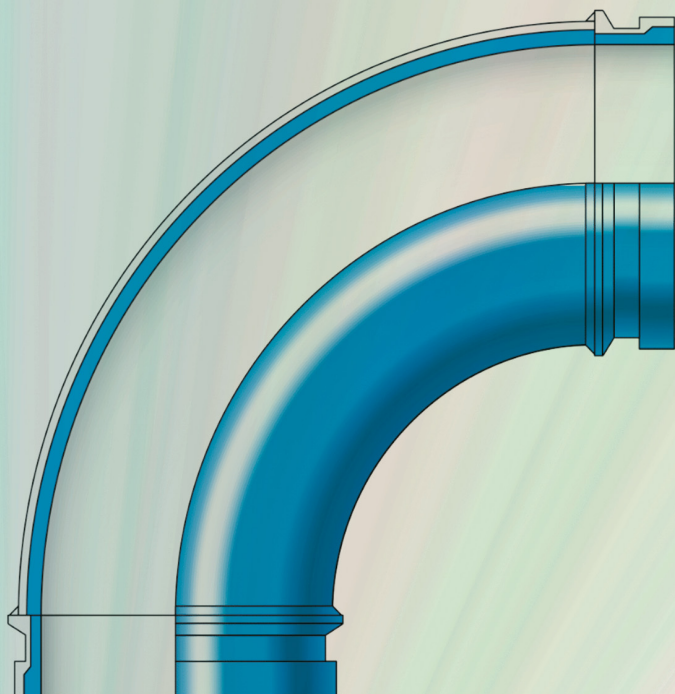
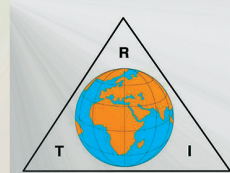
BUTTERFLY VALVES





WAMGROUP®





ESSER 400

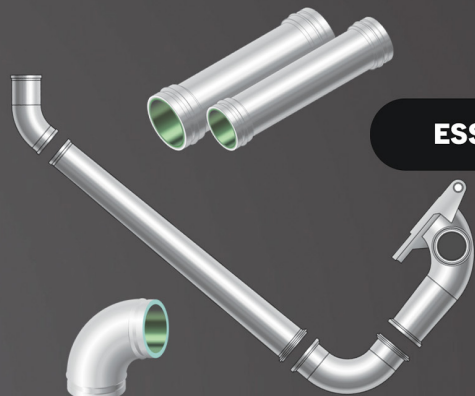
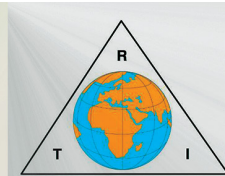


ESSER 700

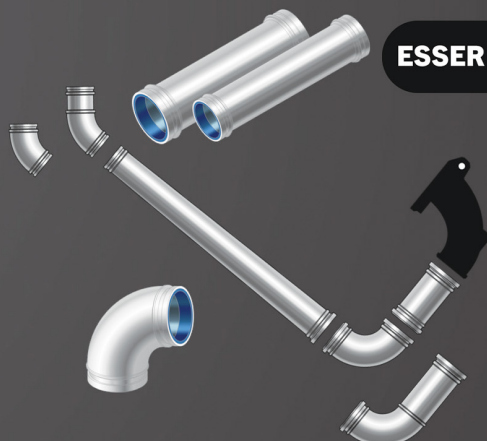


ESSER 900

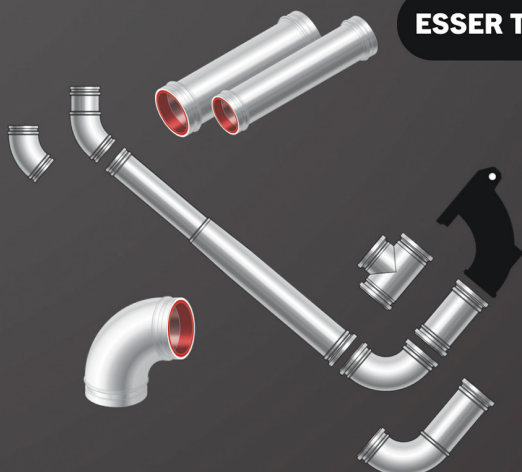




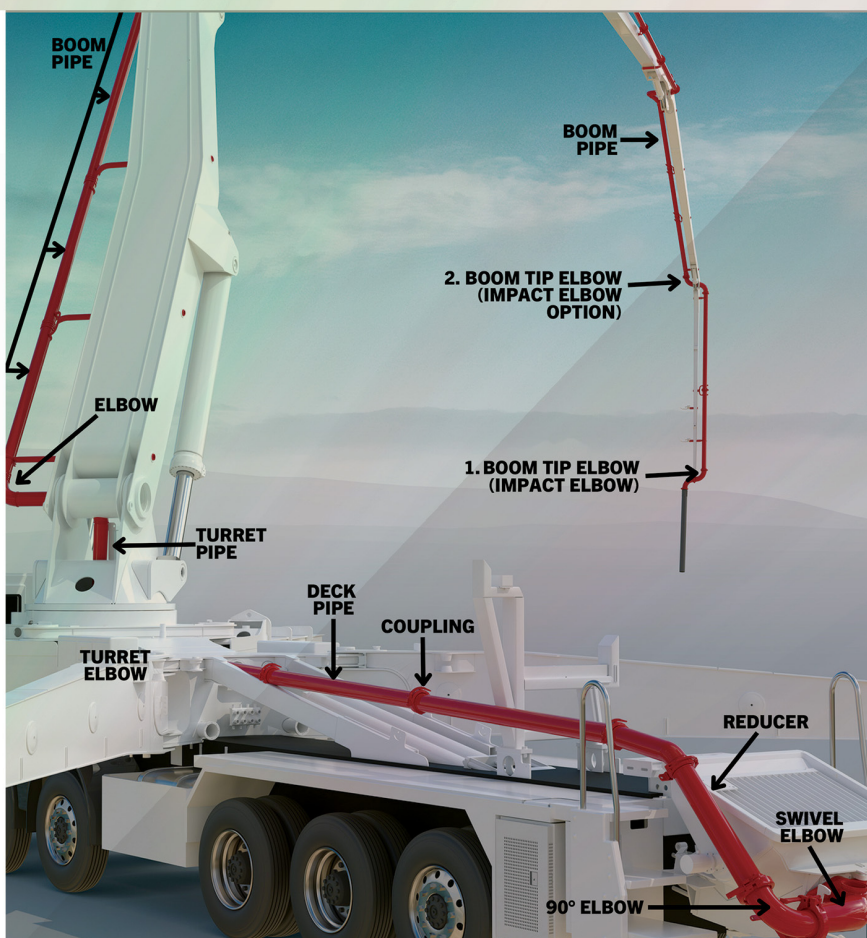
ESSER 400



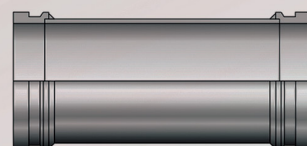
ESSER TWIN 700



ESSER TWIN 900



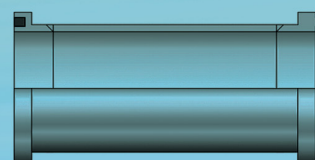
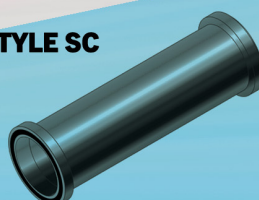
END STYLE SK

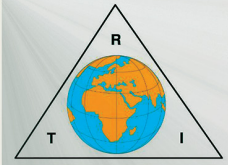


END STYLE ZX



END STYLE SC





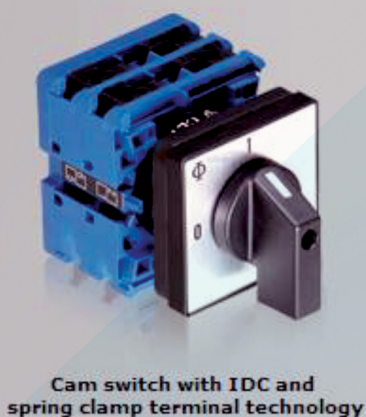
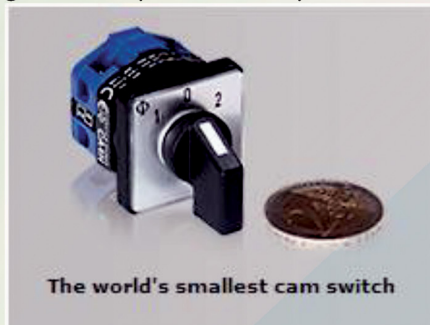
INTRODUCTION

Kraus & Naimer Pte Ltd was established in Vienna, Austria during 1907 by Mr Franz Kraus & Mr Laurenz Naimer. Our organization is fine tuned to react promptly and efficiently to any of our customers' demands or newly emerging market challenges. With the support of our ever-growing network & services we have completed more than 100 years in the field of Industrial Switch manufacturing.

Kraus & Naimer Pte Ltd have expanded to 8 factories worldwide having factories across Vienna/Austria, Karlsruhe/Germany, Weikersdorf/Austria, Shannon/Ireland, Wellington/New Zealand, Sao Paulo/Brazil, Somerset/USA and Pereszleg/Hungary.

Kraus & Naimer Pte Ltd (KNPL) have set up an office in United Arab Emirates during 2008. We are the sole in-charge for the sales and marketing of KNPL products across UAE and GCC /MENA countries.

Kraus & Naimer's global leadership is based on our products delivering the highest possible technical standard, uncompromising quality and our international presence. Qualified engineering and customer support consultancy, local stock and on-site assembly facilities guarantee quick and competent service.



Cam switch with IDC and spring clamp terminal technology



Switch disconnecter with IDC and spring clamp terminal technology



1907

Power Generation & Distribution



- Discrepancy Switch
- Lockout Relay
- Breaker Control Switch
- Local/Remote Supervisory Switch
- Synchronizing Switch
- Mosaic Switch

Low Voltage Distribution

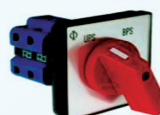


- Cam Switch:
- From 10A - 2400A
 - Maximum 36 Positions
 - Maximum 144 Contact

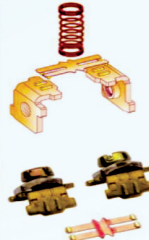
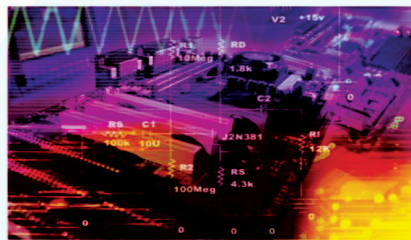
I.T & Telecommunication



- UPS Manual Bypass Switch:
- Make Before Break
 - Break Before Make (< 6ms)
 - From 10A - 2400A
 - Electro Mechanical Interlock



Electronics & Instrumentation



- Electronics & Low Voltage Application:
- Low Voltage to 30mV
 - Anti Vibration
 - Gold/Silver Contact
 - Low Contact Resistance



Industrial Plant & Process



- Load Break Switch/Isolator:
- From 16A - 1600A
 - From 2 - 8 Poles
 - Changeover 3 - 4 Poles
 - Up to 6 nos Auxiliary





technos A

Compact design with two color TFTs.

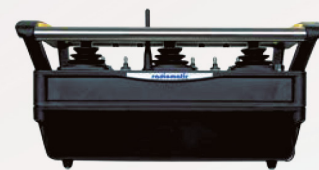
- 2 configurable 1.77" color TFT displays
- 2 joysticks or 6 linear levers
- Other diverse HBC operating elements available
- radiomatic® iCON for display navigation
- radiomatic® iLOG: service without downtime
- Rechargeable Li-ion exchange battery for 20 hours of continuous operating time
- Integrated flashlight and front panel lighting
- 4 LEDs for feedback and status information
- Safety features radiomatic® shock-off / zero-g / inclination switch
- We are glad to show you many other useful HBC features on request

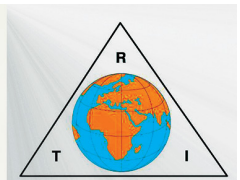


spectrum Ex

Powerful control technology for potentially explosive atmospheres.

- ATEX: M2 (Underground), 2G (Ex zone 1), 3G (Ex zone 2)
- IECEx: Mb (Underground), Gb (Ex zone 1), Gc (Ex zone 2)
- NEC: Class I, Division 1, Groups C, D T4 (NEC 500); Class I, Zone 0, Group IIB, T4 (NEC 505)
- CEC: Class I, Division 1, Groups C, D T4





Accessories Optional Features



Battery charger LG-AK2 for 230 VAC or 24 VDC to charge the changeover battery



Carrying plate, abdominal belt and shoulder strap for radio transmitter FW53-S

- Infrared release



- checkback displays



Infrarot release with one or two IR receivers



Integrated checkback signal transmitter to transmit process data



Number of switch channels

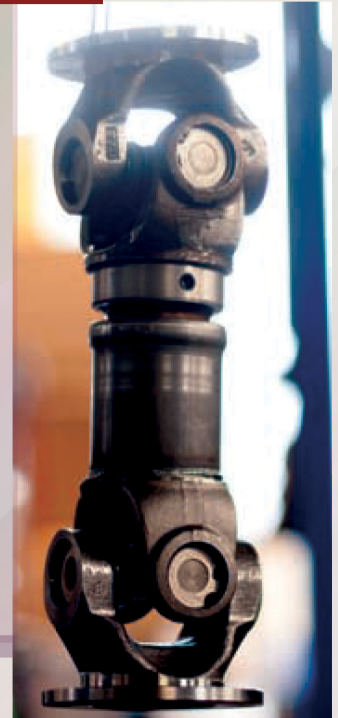
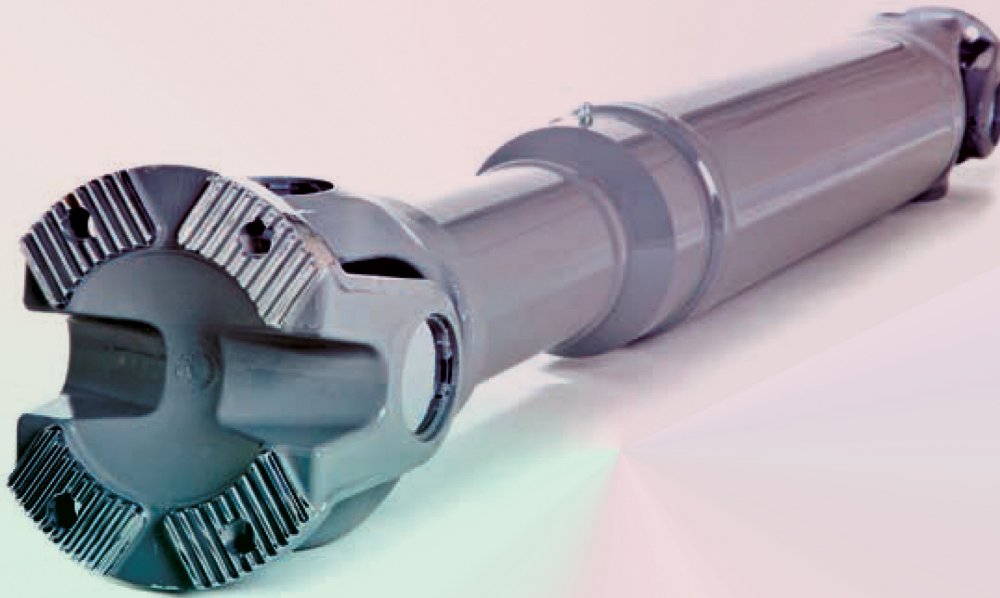
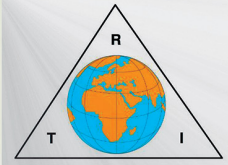


Number of analog output for different voltage ranges



Cardan shafts for all kinds of European manufactured

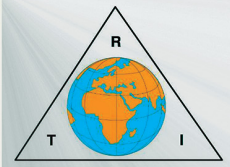
Cardan shaft assembly & balancing



what we stand for:

- Tested quality for all European manufactured commercial vehicle brands, models and areas of application - from transporters to 40-tonne vehicles and for all construction equipment
- Guaranteed delivery times for UAE: 24 hours and GCC: 48 hours
- Uncomplicated identification via VIN (Vehicle Identification Number)
- Base-dealer concept in the commercial parts business
- Individual custom manufacture
- UAE based production facility





Quality „Made in Germany“

Feature	Advantage	Customer benefit
Closed bearing yokes	<ul style="list-style-type: none"> Maximum cross-sections for highest torques Fewer high-maintenance components 	<ul style="list-style-type: none"> Longer service life Higher productivity Lower maintenance efforts
Maintenance-free U-joints	<ul style="list-style-type: none"> Closed system Innovative sealing system No lubricant passages 	<ul style="list-style-type: none"> No loss of grease No lack of maintenance No maintenance costs Longer service life No machine down time
Perfected geometries	<ul style="list-style-type: none"> Reduced notch stresses 	<ul style="list-style-type: none"> Higher torque capacity
Optimised spline	<ul style="list-style-type: none"> Application-oriented splines and surfaces 	<ul style="list-style-type: none"> Reduced axial forces Lower wear
Welding process certified according to DIN ISO 3834-2 and DIN EN 15085-2 CL1	<ul style="list-style-type: none"> Guaranteed maximum weld seam quality Central monitoring of welding process by qualified welding engineers 	<ul style="list-style-type: none"> High value weld seams
Competent consulting and service	<ul style="list-style-type: none"> Decades of experience in all areas of application Quick, trouble-free assistance/solutions 	<ul style="list-style-type: none"> Cost-effective cardan shaft selection Higher plant availability
Optimal balancing	<ul style="list-style-type: none"> Dynamic balancing in up to 4 planes 	<ul style="list-style-type: none"> Maximum running smoothness
Engineering of customised solutions	<ul style="list-style-type: none"> Innovative, customer-specific construction of individual parts Use of special materials 	<ul style="list-style-type: none"> Customised cardan shafts

Cardan shaft designs

To provide the optimal shaft for the requested application, different sizes are the basis of an application-oriented dimensioning and calculation of your cardan shaft.

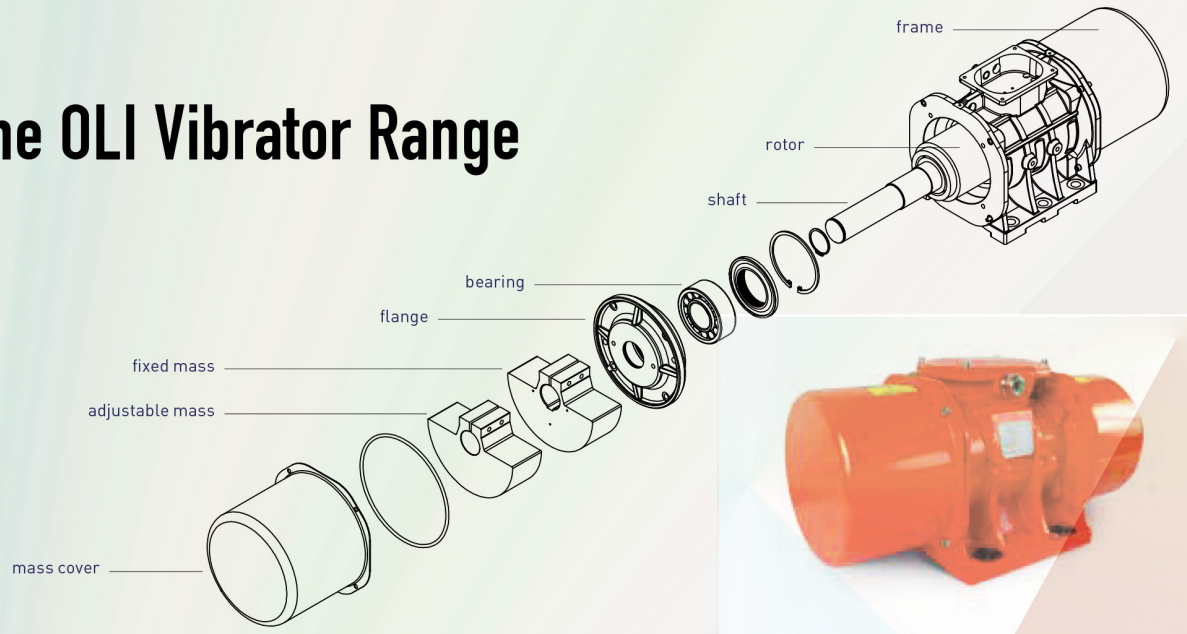
Design	Image	Description
100		Cardan shaft with length compensation
105		Cardan shaft with length compensation in double-flange design
110		Short couple shaft
130		Tube shaft without length compensation
135		Tube shaft without length compensation in double-flange design
160		Intermediate shaft
220		Intermediate tube shaft



INDUSTRIAL VIBRATORS



The OLI Vibrator Range



Providing centrifugal force up to 26,000 kgs and with multiple voltage options OLI's range of electric motovibrators covers several fields of application in every country as well as many different industrial sectors: from food to mining, from foundry to recycling and more.

OLI's electric motovibrators are designed and manufactured using the latest technologies and premium quality materials and components.

Motor bodies, bearing flanges and shafts are FMEA designed and manufactured using first grade Aluminium alloy, cast iron and steel alloy to withstand heavy duty applications and

guarantee safe operation in any condition.

Vacuum impregnated windings and class F insulating materials enhance reliability and durability.

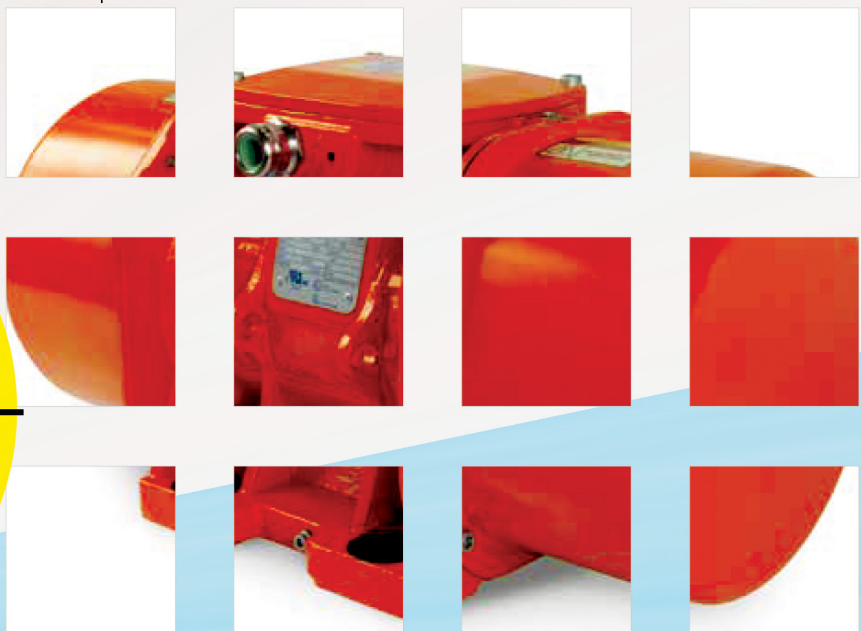
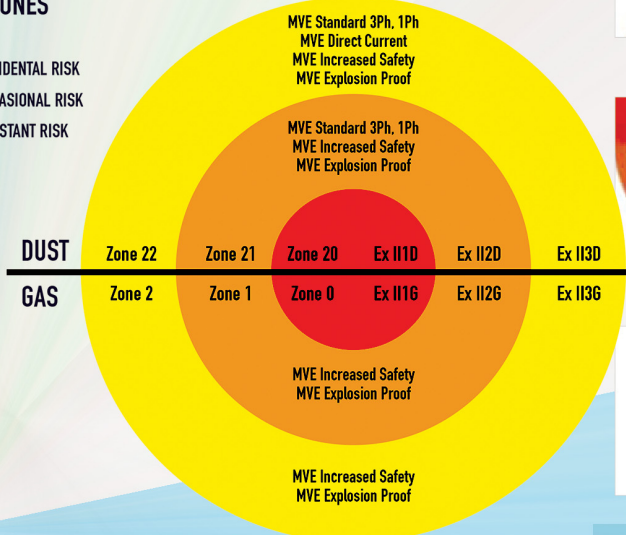
Top quality bearings and an efficient grease retaining system assure long lasting performance and low noise generation.

Adjustable eccentric masses allow easy fine tuning of the Max centrifugal force provided by the motor.

Several certifications for use in hazardous environments are available in the OLI range to match the most demanding specification worldwide.

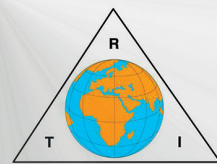
ATEX ZONES

- ACCIDENTAL RISK
- OCCASIONAL RISK
- CONSTANT RISK



THE WORLDWIDE LEADER IN VIBRATION TECHNOLOGY

FLOW AIDS



OUR 3 DIVISIONS

INDUSTRIAL VIBRATORS



Electric motovibrators for vibrating equipments

FLOW AIDS

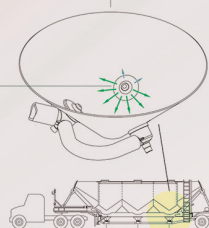
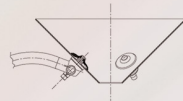
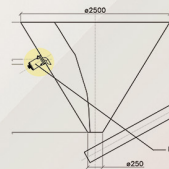


Comprehensive range of electric and pneumatic vibrators to solve any problem of flowability

CONCRETE CONSOLIDATION



Internal concrete vibrators and converters for reliable and efficient concrete compaction



SMART POWDER HANDLING



WHEN YOU NEED IT, WHERE YOU NEED IT.
THE WORLDWIDE LEADER IN VIBRATION TECHNOLOGY

AERATORS

Vibro-Aerators: VB

Dry powders.
Food and chemicals compatibility.
The fastest loadout speed.



Aeration Pads: I100

Cement, lime.
Low air consumption, create fluid bed, suitable for retrofitting.
External mounting kit.

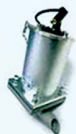


Aeration Nozzles: U

Cement, lime.
Low air consumption, create fluid bed, suitable for retrofitting.



AIR JET



Air Cannons: GUNJET PG

Irregular shapes and fibrous light materials.
Compact design.
The fastest loadout speed.

HYDRAULIC VIBRATORS

Hydraulic: MVO

Hygroscopic, wet, sticky powders and granular materials.
High force and performance, continuous duty, robust and safe.
Easy to install.
Compact design.



LINEAR PNEUMATIC VIBRATORS



Single Impact: PS

Dry and wet powders.
Integrated solenoid valve.



Continuous Impact: P

Hygroscopic, sticky and humid powders.
High temperature.



Cushioned: K

Hygroscopic, dusty powders and granular materials.
Clean, silent.



Adjustable Cushioned: F

Hygroscopic, dusty powders and granular materials.
Adjustable force and vibration frequencies.

ROTARY PNEUMATIC VIBRATORS

Turbine: OT



Food environment.
Oil-free.
High performance.

Roller: OR



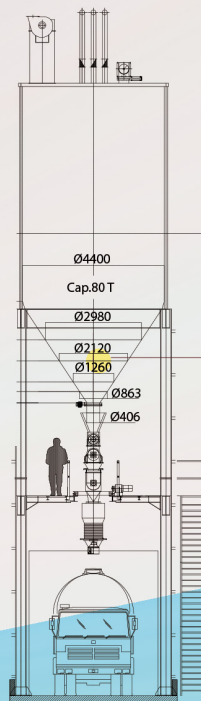
Hygroscopic powders.
High temp.

Ball: S



Dry powders and granular materials.
Generic use.

Maintenance-free; Anodized aluminium body.
High performance; Low air consumption.



THE WORLDWIDE LEADER IN VIBRATION TECHNOLOGY



SOVATEC



SOVATEC Produktions GmbH designs and produces electric motors and axial fans according to European quality standards.

Whether you are planning a new ventilation concept, or looking for a replacement for existing hardware, our Multiple Airflow Direction system provides customized solutions to your needs, by combining ventilation and drive technology in a modular manner.

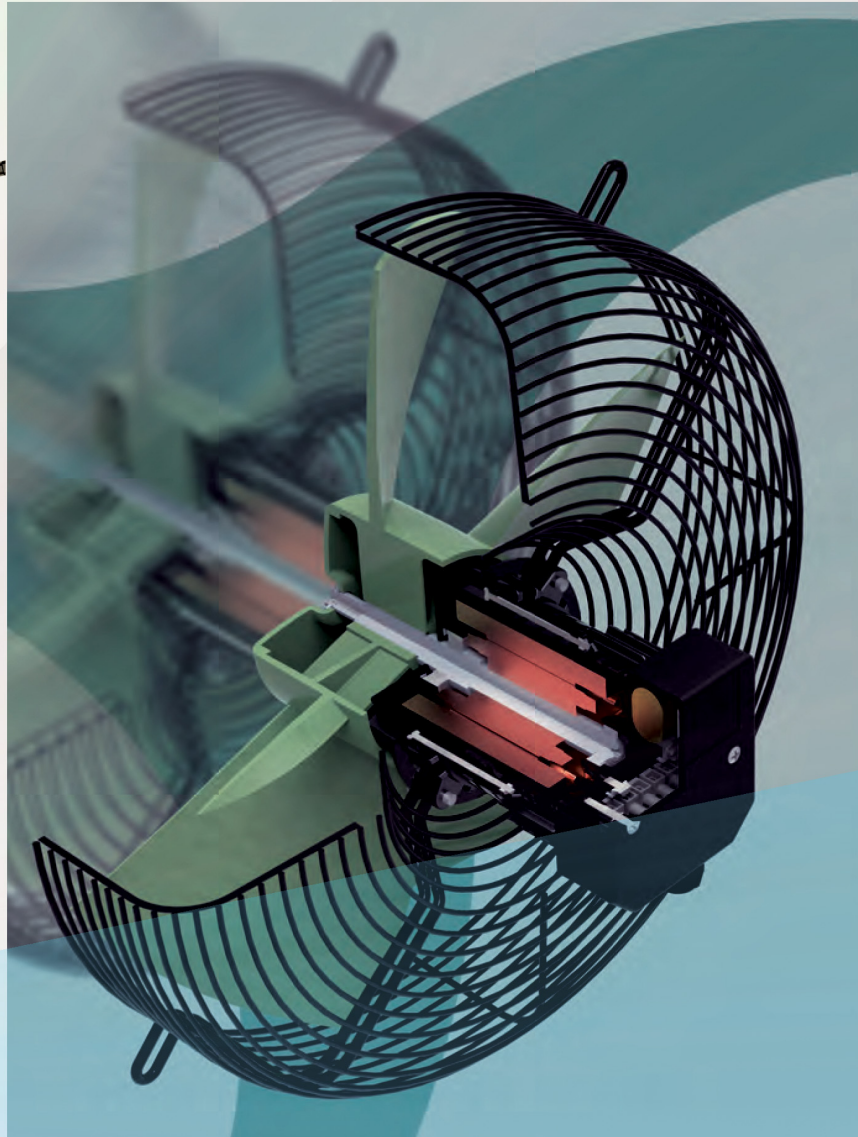
	technical data	motor type	benefits	size
MAD	single phase 230 V 50/60 Hz three phase 400 V 50/60 Hz	AC internal rotor	adjustable wing angle supreme IP class up to 66 flexible mounting modular system	from 250 mm to 1000 mm
MBD	12 V and 24 V	DC internal rotor	best price performance ratio individual performance regulation compact integration	from 190 mm to 385 mm
MED	single phase 230 V 50/60 Hz three phase 400 V 50/60 Hz	AC external rotor	best price performance ratio premium steel blades compact integration	from 250 mm to 1000 mm

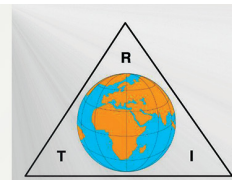
- High efficiency
- Flexible air flow direction (blowing / sucking)
- High protection classes (-IP66)
- Low noise levels
- High durability
- Special materials resistant to corrosion



DESIGNED FOR MULTIPLE APPLICATIONS

- Engine cooling
- Condenser cooling
- Auxiliary oil cooling
- Engine bay ventilation
- Off highway / trucks
- Defence
- Construction & municipal vehicles
- Electrics cooling

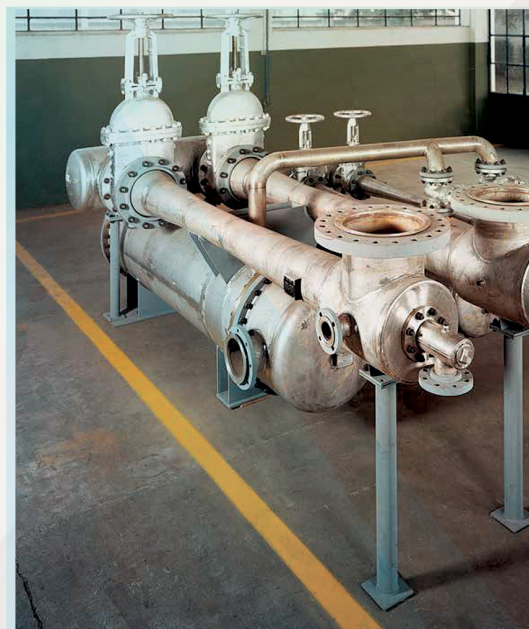
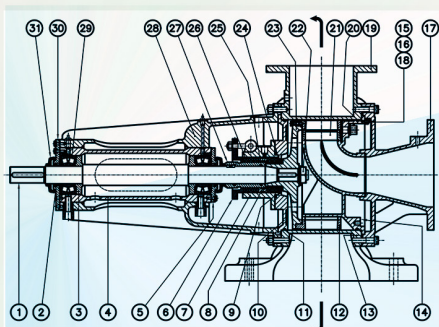
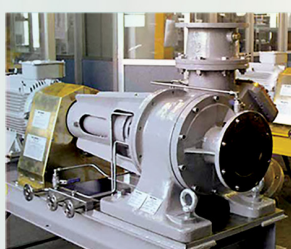




Since 1930, SCAM S.p.A. has been designing and manufacturing about 13,000 ejectors of various types for the most different applications and can boast, among its Customers, the main Italian and foreign industrial companies.

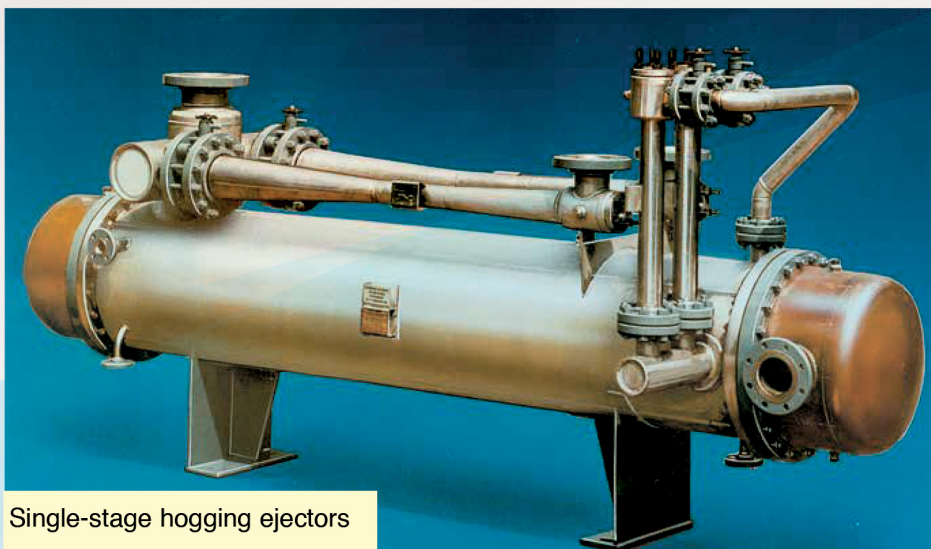
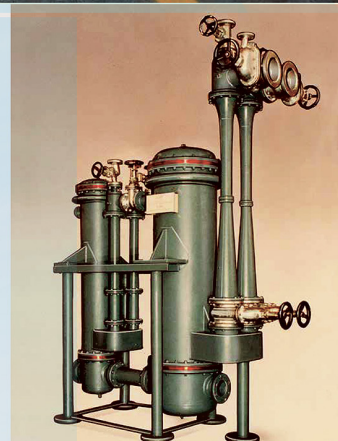
SCAM pumps have always been favoured by many Customers in Thermal and Thermo-Nuclear, Petro-Chemical Plants and Steel Mills.

As a reference, it must be said that in Italy they have been installed in all the major Thermo-electric Power Plants.



SCAM has been designing and manufacturing:

- Steam jet ejectors
- Booster ejectors
- Vacuum pumps
- Evaporating distilling plants
- Sea water desalting units
- Boiler feed water heating and degassing units
- Surface condensers
- Direct contact condensers
- Heat exchangers
- Refrigerating machines
- Air, water and oil coolers
- Air/air radiators
- Natural, induced or forced draft cooling towers
- Degassing towers
- SCAMATIC self-cleaning fluid filters
- Corrugated and oiled metal sheet air filters



Single-stage hogging ejectors



*Thank You
Very Much*