



FUNCTIONSMITH INC.

MANILA • GUANGZHOU



INDUSTRIAL

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FUNCTIONSMITH INC.

MANILA • GUANGZHOU



THE COMPANY

At the 21st century, in the year 2000, a group of forward thinking individuals gathered and decided to create “functional furniture with a quality of a goldsmith”, to cater to the burgeoning corporate market. To best embody this philosophy, they took the first and the last words and combined it to form one single word and FUNCTIONSMITH was born.

At year 2010, Mikrone powder coating services was established to cater the demand of coating finishes. The service also served as the competitive advantage of the company in terms of customizing products finishes.

Functionsmith established additional business unit which is the One KFi Surface Finishes Enterprise that offers high quality yet affordable materials but not limited to Veneers, Synthetic Stones and High Pressure Laminates.

In 2014, the company continued growth and expand to Industrial division. The products are Pumps, Valves, Mechanical Seals, Filters, Flexible Hoses, Expansion Joints, Automotive filters, Dampers and Dust Collector Bag that every manufacturer needs most.

Planning and commitment are the prerequisites for a successful future. But to reach the company goals, Functionsmith remain flexible. This flexibility will enable us to react to changes in the markets and adapt our strategy projects as required. Looking forward again into the next decade, FUNCTIONSMITH will continue to conquer new markets as our strategic relationship with our partners in China continues to mature.



FUNCTIONSMITH INC.

MANILA • GUANGZHOU

TRADING & GENERAL MERCHANDISE



OIL FILTER ELEMENTS, COALESCERS & SEPARATORS EQUIVALENT



PALL Filter Equivalent



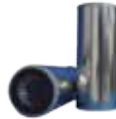
MAHLE Filter



MP-FILTRI Filter



PECO Equivalent



Parker & Velcon



HY-PRO Filter



ARGO Filter



VICKERS Filter



OIL FILTER ELEMENTS, COALESCERS & SEPARATORS EQUIVALENT



HYDAC Filter



INTERNORMEN Filter



EPE Filter



TAISEIKOGYO Filter



FILTREC Filter



CORRUGATED METAL HOSE



Corrugated Metal Hose



PUMPS, VALVES & AUTOMATION



Omega



Amarex N



Mega CPK



Fire Pumps



MECHANICAL SEALS



SBF/SBP



SBF(V)-D / SBP(V)-D



CTX Dual Seals



MECHANICAL SEALS FOR FOOD, BEVERAGE & DAIRY INDUSTRIES, MECHANICAL SEALS FOR COMPRESSORS



Refrigeration & Compressor OEM



ALFA LAVAL® Pumps 9x Seals



FRISTAM® Pump Mechanical Seals



WAUKESHA® Universal Pumps Seals



TRI-CLOVER® C-Series Pumps Seals



APV® Howard & Crepaco Pumps Seals



SERVICES: PUMP AND ROTARY UNION REPAIR



*pump repair



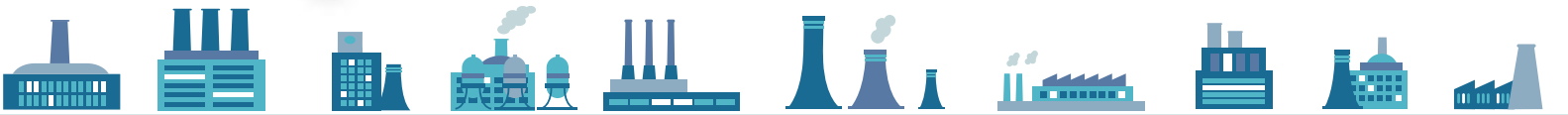
*rotary union repair



FABRICATION



*Impeller, metal, plastic, thermocouple, suction cup & bushing.





FUNCTIONSMITH, INC.
MANILA • GUANGZHOU

PARTNERS in BUSINESS



PRODUCTS

**OIL FILTER ELEMENTS,
COALESCERS &
SEPARATORS**



PUMPS

**SERVICES, REPAIR
& FABRICATION**



VALVES

**FLEXIBLE
HOSES**



FUNCTIONSMITH, INC.

MANILA • GUANGZHOU

**MECHANICAL SEALS
SEALMATIC**

Standard Cartridge Seal/ Split Seals/
Engineered Seals/ Pusher Seals/
Elastomer Bellows Seals



**MECHANICAL SEALS
FOR FOOD, BEVERAGE &
DAIRY INDUSTRIES AND
COMPRESSORS**



AUTHORIZED DISTRIBUTOR

PUMPS & VALVES & AUTOMATION



DRAINAGE



Amarex N	
DN	50 – 100
Q [m3/h]	max. 190
H[m]	max. 49
T[°C]	max. +60



Ama-Dainer 80, 100	
Rp	2½ / 100
Q [m3/h]	max. 130
H[m]	max. 26
T[°C]	max. +50



Compacta	
DN	80 - 100
Q [m3/h]	max. 140
H[m]	max. 24
T[°C]	max. +40
	up to +65 for short periods

WATER SUPPLY/ FIRE FIGHTING



Etabloc PumpDrive	
DN	25 – 150
Q [m3/h]	max. 660
H[m]	max. 101
T[°C]	max. +110
p[bar]	max. 16
n[min^{-1}]	max. 4200



FFS	
DN	32 – 300
Q [m3/h]	max. 840
H[m]	max. 140
T[°C]	+5 to +50
p[bar]	max. 16
n[min^{-1}]	max. 3000



UPA 100C	
DN	100
Q [m3/h]	max. 16
H[m]	max. 400
T[°C]	max. +30



Multitec	
DN	32 – 150
Q [m3/h]	max. 850
H[m]	max. 630 (1000)
T[°C]	max. +200
p[bar]	max. 63 (100)
n[min^{-1}]	max. 4000



Etanorm SYT	
DN	32 / 300
Q [m3/h]	max. 1900
H[m]	max. 102
T[°C]	max. +350
p[bar]	max. 16



FFU	
DN	32 - 350
Q [m3/h]	max. 2500
H[m]	max. 150
T[°C]	+5 to +150
p[bar]	max. +25
n[min^{-1}]	max. 3000

HVAC



Calio	
Rp/DN	1-1¼/32– 100
Q [m3/h]	max. 70
H[m]	max. 18
T[°C]	-10 to +110
p[bar]	max. 16
n[min^{-1}]	max. 3660



RioTherm	
Rp	1 - 1¼
Q [m3/h]	max. 10
H[m]	max. 6
T[°C]	-2 to +110
p[bar]	max. 10



Etaline PumpDrive	
DN	32 / 200
Q [m3/h]	max. 788
H[m]	max. 100
T[°C]	-10 to +140
p[bar]	max. 16
n[min^{-1}]	max. 4200

VALVES



BOA-SuperCompact	6 / 10 / 16
Globe Valve	20 - 200
PN	-10 to +120
DN	
T[°C]	



Ecoline BLT 150-300	
Ball Valve	
Class	150 / 300
DN	½" - 12
	15 - 300
T[°C]	-10 to +200



BOA-H	16max. 130
Globe Valve	20 - 30
PN	-10 to 300
DN	
T[°C]	



BOA-H Mat E	
Control and Balancing Valve	
PN	16 / 25
DN	20 - 150
T[°C]	-10 to +350



BOA-S	6 / 16 / 25
Strainer	15 - 300
PN	-10 to 350
DN	
T[°C]	



BOA - RVK	
Non - return Valve	
PN	6 / 10 / 16
DN	15 - 200
T[°C]	-30 to +250

OTHER PRODUCTS



Pump Meter	max. 1
No. of Pump	
Type	See pump type series
Installation	Factory-mounted
Voltage	IP65 24 V DC



SuPremeE Motor	max. 1
No. of Pump	
Voltage [V]	Power Supply via Pump Drive Variable speed system only



AUTHORIZED DISTRIBUTOR

- VALVES
- ACTUATORS
- AUTOMATION TECHNOLOGY



Z 001-A: DN 20-DN 1200

Universally usable water-type butterfly valve in accordance with EN-593. Due to the diversity of base materials available, this valve is suitable for various fields of application.



Z 014 A: DN 25-DN 600

Lug-type butterfly valve with tapped holes. This enables downstream pipe dismantling.



T 211-C: DN 50-DN 300

PTFE-lined butterfly valve for chemically toxic and highly corrosive media. This series fulfills the requirements of PAS 1085.



HP 114-C: DN 80-DN 800

Lug-type butterfly valve in double eccentric design. This series fulfills the requirements of PAS 1085 in respect of material design and marking.



EB-SYS

The EB-SYS series comprises single-acting pneumatic actuators with spring-opening and spring-closing.
Torque range: 35 Nm - 1470 Nm (control pressure 6 bar)



EC

The EC linear cylinder series comprises 6 sizes.
Capacity range: 4524 N - 46322 N with a control pressure of 6 bar.



E 50 - E210

Compact part-turn actuators for energy-efficient valve control. The actuators guarantee high operational reliability thanks to the classic gear unit design with direct torque transmission from the self-locking worm gear to the valve shaft. The clutch-free emergency manual override enables user-friendly handling during commissioning, system maintenance or in fault situations.



MV: DN 50 - DN 1200

Suitable for wide range of applications. The modular design simplifies individual adaptation of the knife gate valve. The flange ring system simplifies maintenance and offers a large selection of sealing rings.



AUTHORIZED DISTRIBUTOR



sealmatic

MECHANICAL SEALS

Standard Cartridge Seal/
Split Seals/ Engineered Seals/
Pusher Seals/
Elastomer Bellows Seals



CTXAPI Standard Cartridge Seals

Mechanical Seals for Pumps - Standard Cartridge Seals

Product Description

1. Balanced
2. Cartridge construction
3. Category 1, Type A, Arrangement 1, 2 or 3
4. Dual seals with API Plan 52 / 53 (CTXAPIDAP)
5. Other flush plans available
6. Seal design according API 682 / ISO 21049
7. Shrink-fitted seal faces
8. Single and dual seals
9. Single seal with API Plan 11 and 61 (CTXAPI-SA)
10. Solid seats
11. Version with independent direction of rotation available



SBF/SBP Engineered Seals

Mechanical Seals for Pumps - Engineered Seals

Product Description

1. Balanced
2. Cartridge design
3. Dependent of direction of rotation
4. Integrated pumping device
5. Multiple springs
6. Shrink-fitted seal face
7. Single seal
8. Stationary spring loaded unit



CTX Dual Seals

Mechanical Seals for Pumps - Standard Cartridge Seals

Product Description

1. Balanced
2. Cartridge
3. Double pressure balanced
4. Dual seal
5. Independent of direction of rotation
6. Integrated pumping device
7. Variants available: for eccentric screw pumps



SBF(V)-D / SBP(V)-D Engineered Seals

Mechanical Seals for Pumps - Engineered Seals

Product Description

1. Balanced
2. Cartridge design
3. Dual seal
4. Integrated pumping device
5. Multiple springs arrangement
6. Shrink-fitted seal face
7. Single robust stationary seat
8. Stationary spring loaded unit



SPX Split Seals

Mechanical Seals for Pumps - Split Seals

Product Description

1. Balanced
2. Bi-directional
3. Built-in flushing connections
4. External pressurization
5. Fully split single seal, 2x2 segments, preassembled
6. Installation and wear control
7. Semi-cartridge
8. Single and dual seals
9. Stationary springs



U300N Pusher Seals

Standard Mechanical Seals - Pusher Seals

Product Description

1. Dependent on direction of rotation
2. For plain shafts
3. Rotating conical spring
4. Single seal
5. Unbalanced



UG100 Elastomer Bellows Seals

Standard Mechanical Seals - Elastomer Bellows Seals

Product Description

1. Elastomer bellows rotating
2. For plain shafts
3. Independent of direction of rotation
4. Unbalanced



U700N Pusher Seals

Standard Mechanical Seals - Pusher Seals

Product Description

1. Crest to Crest Wave spring or multiple springs rotating
2. For plain shafts
3. Independent of direction of rotation
4. Single seal
5. Unbalanced
6. Variant with FEP & Spring energised PTFE seals.

MECHANICAL SEALS

FOOD, BEVERAGE &
DAIRY INDUSTRIES
SEALS

REFRIGERATION OEM MECHANICAL SEALS



Compressor Models

- A.P.V. hall ®
- Bitzer ®
- Bock
- Carrier ®
- Copeland ®
- Daikin ®
- Dunham Bush ®
- Frick ®
- Gram ®
- Grosso ®
- J&Hall ®
- Howden ®
- Lightfoot ®
- Sabrae ®
- Stal ®
- Thermo King ®
- Vilter ®
- Witt ®

ALFA LAVAL ® PUMPS 9x SEALS



*Type 92 32mm complete seal.

FRISTAM ® PUMP MECHANICAL SEALS



WAUKESHA ® UNIVERSAL SERIES PUMPS SEALS



1655 WAVE-SPRING SEALS

TRI-CLOVER ® C-SERIES PUMPS SEALS



294 WAVE-SPRING SEALS

APV ® HOWARD & CREPACO PUMPS SEALS




1655 WAVE-SPRING SEALS



FLEXIBLE HOSES

AUTHORIZED DISTRIBUTOR



PENFLEX
Flexible Metal Hoses



GUTTELING
COMPOSITE HOSES
Composite Hoses

ELAFLEX 

Petrol & Chemical
Rubber Hoses

FILTERS

OIL FILTER ELEMENTS,
COALESCERS &
SEPARATORS

PALL Filter
Element Equivalent



HYDAC Filter
Element Equivalent



MAHLE Filter
Element Equivalent



INTERNORMEN Filter
Element Equivalent



EPE Filter
Element Equivalent



TAISEIKOGYO Filter
Element Equivalent



FILTREC Filter
Element Equivalent



ARGO Filter
Element Equivalent



MP-FILTRI Filter
Element Equivalent



PARKER Filter
Element Equivalent



STAUFF Filter
Element Equivalent



HY-PRO Filter
Element Equivalent



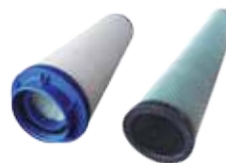
VICKERS Filter
Element Equivalent



Pall Equivalent



PECO Equivalent



Parker & Velcon
Equivalent



FILTERS

AIR & WATER FILTERS

AIR INLET FILTER



COMPRESSOR FILTER



AIR FILTRATION



WATER FILTER CARTRIDGE

