

Draken Engineering Solutions

ENGINEERED COMPOSITES AND
ADVANCED MATERIALS

HIGH TEMPERATURE, SEALING AND
WEAR PROTECTION

Our Company



Draken Engineering Solutions is in Monterrey Mexico, one of the most industrialized areas at the north of the country, two hours away from the USA border of Laredo Tamaulipas. Our objective to become your in-house engineering department by providing engineering assistance, on selection, custom design, fabrication and manufacturing of high-performance and advanced materials such as tungsten, silicone carbide, ceramics, elastomeric parts and self-lubricating bearing materials to satisfy the needs of each one of your industries.

Our goal is to develop long time relationships with our customers by understanding their needs and ensuring an efficient time or response, an effective service and that our deliveries not only meets but exceed their expectations.

Pablo Paredes
pablo.paredes@drakencorp.com
General Manager



Our Services



High Volume Machined Parts



Engineering Solutions



Storage / Building Kits

Our Quality



With the supreme quality, all vendors and business partners our company work with, has been approved and qualified as a world class manufacturer with the following certifications:



The goal to be "Perfect" will be our faith and we sincerely appreciate all your comments and suggestions.

"Proud of our quality, respect our customers" is Draken's quality policy. The quality policies stand on management idea, all our members and suppliers must follow to implement the quality policy.

Our Segments



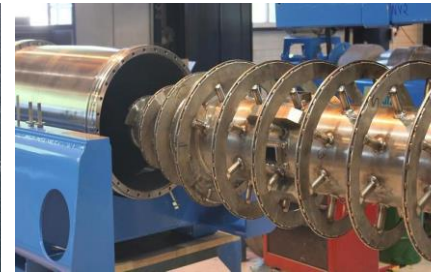
Transportation



Marine



Wear Protection



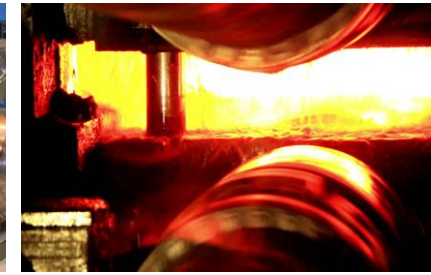
Wind Power



Pumps & Valves



Hydroelectric



Lamination

Mining

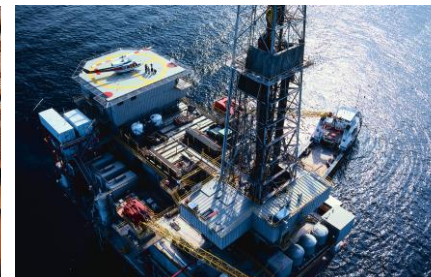


Non-Ferrous

Agriculture



Oil & Gas



Chemical



Our Solutions



Seals, Gaskets & Molded Parts



Spring Energized Seals



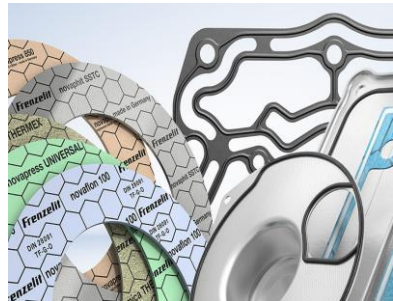
Thermoset Molded Parts



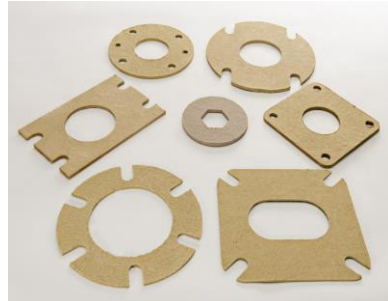
Thermoplastic Machined Parts



Engineering Ceramic Parts



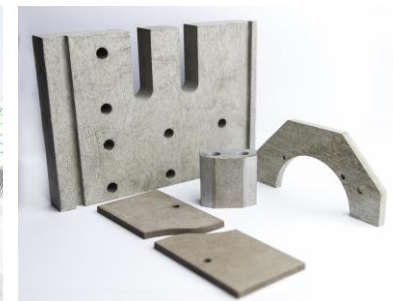
Gaskets



Ceramic Fiber Milboard H.Temp.



Silicon Carbide Ceramic



Glass Bonded Mica



Lamination Rollers



Sealing Solutions

NSF-61 & 62 – FDA – AS9100 - IATF 16949 – USP CLASS VI
ISO 13485 Clean Room Class 7

- O-rings
- Gaskets
- Diaphragms
- Spring Energized PTFE Seals
- Silicone (LSR) Molded parts
- Profiles – Rubber & Silicone
- Grommets
- PU Seals & Molded parts

Top Seal

Top Seal is a company moving forward with continuous improvement. Servicing in Rubber industry for all kinds of application to fulfill a better world.




SAINT-GOBAIN

OmniSeal® PTFE spring-energized seals and OmniSeal® rotary lip seals, are used in core systems with challenging conditions, keeping these systems protected and worry-free.



Spring Energized Seals



PTFE Seals



PTFE Lip Seals

Thermoset & Thermoplastics

ISO9001:20015 ISO14001

- Bushings
- Bearings
- Wear bands
- Wear plates
- Wear pads
- Washers
- Pulleys
- Conveyor Roller Bearings
- Pistón wear rings
- Others



Wear Plates and Pads



Wear Bands and Parts



Articulated Bearings



Line Bearing – Marine Application



Bushing



Thermoplastic impeller



RULON

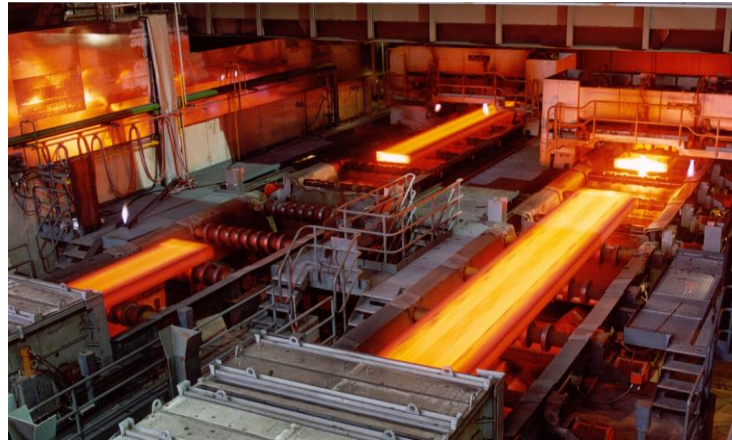


MELDIN

High Temperature Materials

ISO9001:20015 ISO14001

- Heat shields
- Flue gas gaskets
- Insulation pads
- Glass Roller Covering
- Centrifugal Casting
- Aluminium Roller Covering
- Stainless Steel Roller Covering
- Mounted Roller Bearings
- Plain Bearings high temperature
- Others



Ferrous Metals

- Spin Casting Insulation – **FIREFLY**
- Thermal Insulation Applications – **FIREFLY**
- Rollers for Aluminium – Stainless Steel lamination
- **FEROFORMF57** & **FEROFORM 1125**



High Temperature Rollers



Non-Ferrous Metals

Electrolysis: L 23

- Pot cover insulation
- Cathode frame insulation
- Superstructure insulation
- Crust breaker insulation – **H91 REFRAVER**
- Cathode Frame & Busbar insulation – **ARCLEX**
- Syphon tube gaskets – **FIREFLY FF700**
- Crucible insulation – **FIREFLY FF700**
- Pouring nozzles – **CS1150**
- Tap out cones – **CS1150**
- Thermocouple sheaths – **NITRASIL**

FIREFLY

REFRAVER

FEROFORM

Advanced materials

ISO9001:20015 ISO14001

- Heat shields
- Flue gas gaskets
- Insulation pads
- Glass Roller Covering
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- Mounted Roller Bearings
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- Others



**FERO
SAFE** 
A **TENMAT** Brand



NEXT GENERATION MATERIAL FOR DEFENDING PHYSICAL SECURITY PRODUCTS

Ferosafe is a weldable composite material that effectively resists high power angle grinders and drills at lower thicknesses and weights than what is possible with conventional materials. The material is therefore well suited to increase security performance on safes, locks and any other security devices without increasing weight or altering overall dimensions. Being weldable with standard welding equipment ensures a high degree of flexibility, cost efficient manufacturing and secure fastening with no specialist training required.



WELD-ON FEROBIDE WEAR PROTECTION TILES

TENMAT's proprietary FEROBIDE formulation is a durable tungsten carbide composite material, which combines high levels of wear resistance and toughness with the ease and reliability of a weldable material. FEROBIDE outlives and outperforms conventional wear resistant materials under even the harshest of conditions.



WELD-ON WEAR PROTECTION TILES



WELD-ON WEAR PROTECTION TILES

FEROBIDE

Other Solutions

Sheet Metal Fabrication

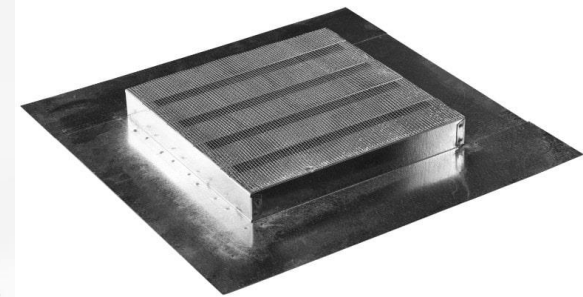


WILDFIRE RATED VENTS

Brandguard takes care of the process **from start to finish.**

Our agents will:

- ✓ Perform a **free assessment**
- ✓ Get the necessary **building approvals**
- ✓ **Install and paint** the vents



Other Solutions

Bushing & Bearing Fabrication



- Flanges and Rings
- Rollers Metal Rollers
- Rotors and Fans
- Shafts, Impellers
- Bushings and Bearings



Vertical Lates

#	Lathes	Swing	Chuck	Weight in (Tons)
8		44"	32"	2
1		56"	40"	2.5
1		65"	50"	4
1		72"	60"	4
1		77"	50"	4
2		84"	60"	6
4		120"	60"	15
1		138"	60"	15
3		144"	70"	15
1		360"	160"	60

Other Solutions

THANK YOU!



Silicone Molded Parts



Polyurethane Molded Parts



Stamped and Laser Cut Parts



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