matech

# company profiles

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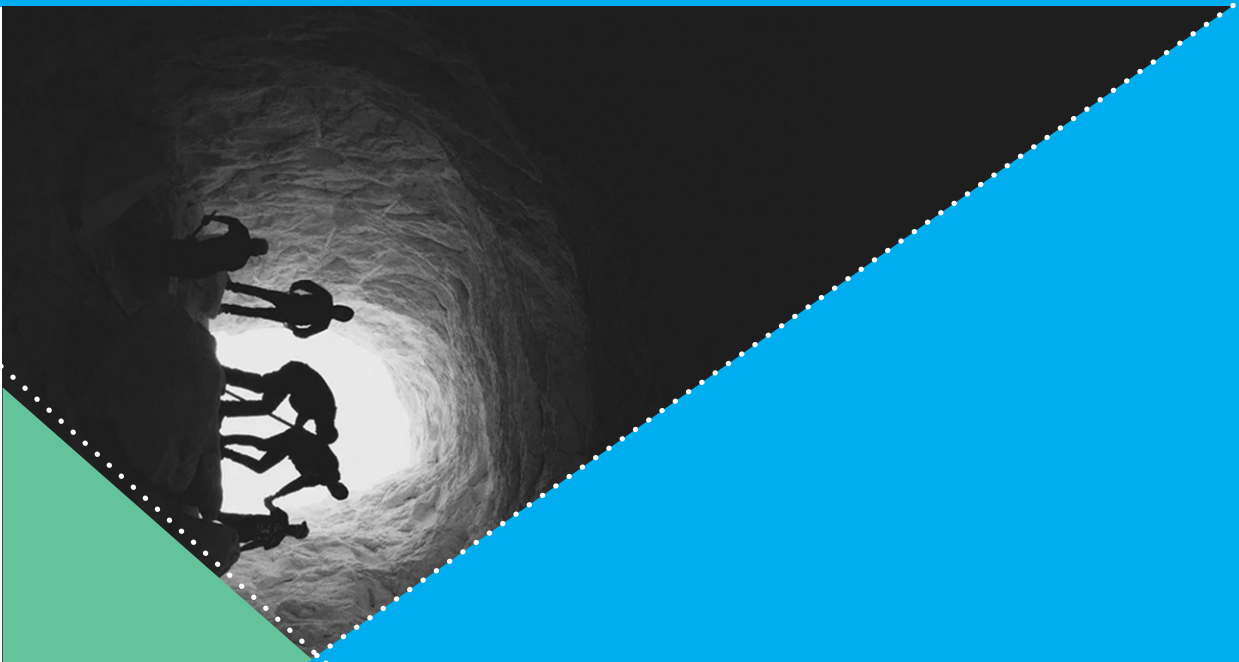
2020

# I INTRODUCTION



**MATECH INNOVATIONS (M) SDN BHD** Was founded in June 2018 as a joint venture, between a Malaysian Company, Japanese Company and a China Company, initially aimed to introducing superior Japanese Quality and latest technology into Malaysia Market.

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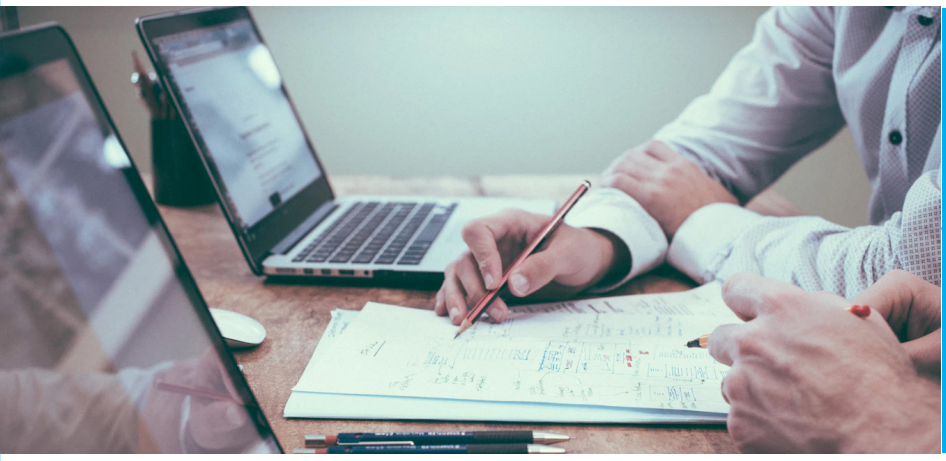
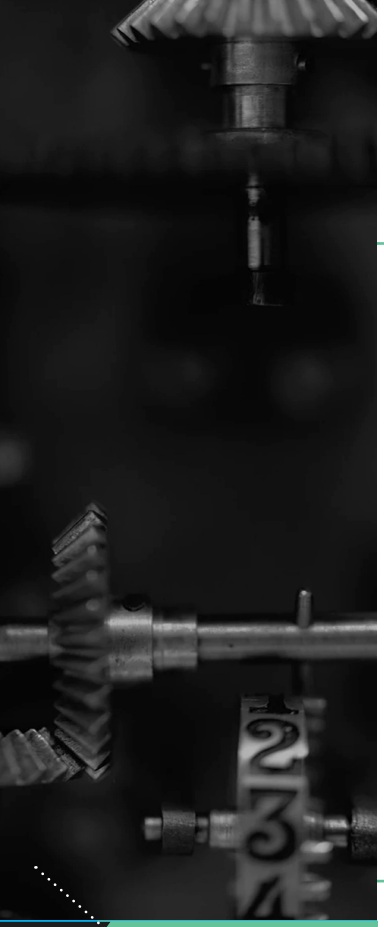
- ***Buruuj Engineering Sdn Bhd***
- ***Japan Matex Co Ltd***
- ***Ningbo Vander Carbon Material Inc***

For many years, these companies have been supplying their advance technology and world class quality in their respective fields, through EPC companies.

The purpose of the establishment of Matech Innovations (M) is not only to provide products and advanced technology directly to the market, but also to establish a superior customer support system as the market best solution provider in Malaysia.

**The next phase in our long term plan includes the implementation of Japanese technology in establishing a joint production, workshop facility and services network in Malaysia Market.**





## BURUUJ ENGINEERING SDN BHD

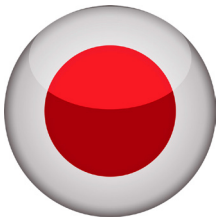
*MALAYSIA*

Was incorporated in 2015 and provides multi discipline engineering product and services to the industrial client.
BESB fosters an innovative problem solving environment that present fast and flexible responses to the client need.

## JAPAN MATEX CO LTD

*JAPAN*

is widely acknowledged for the high performance fluid sealing products used in processing industries such as the chemical, petrochemical, refining, pulp and paper, power generation, steel, and others.



## NINGBO VANDER CARBON MATERIALS Inc

*CHINA*

Is a Sino-Japanese joint venture founded in 2006. Specialize in the production of various materials of gland packing, packing rings, sealing gaskets, sheets, fireproof insulation products and cloth (belt) seal,  such as graphite, PTFE, carbon fiber, glass fiber, ceramic fiber, metal, etc.

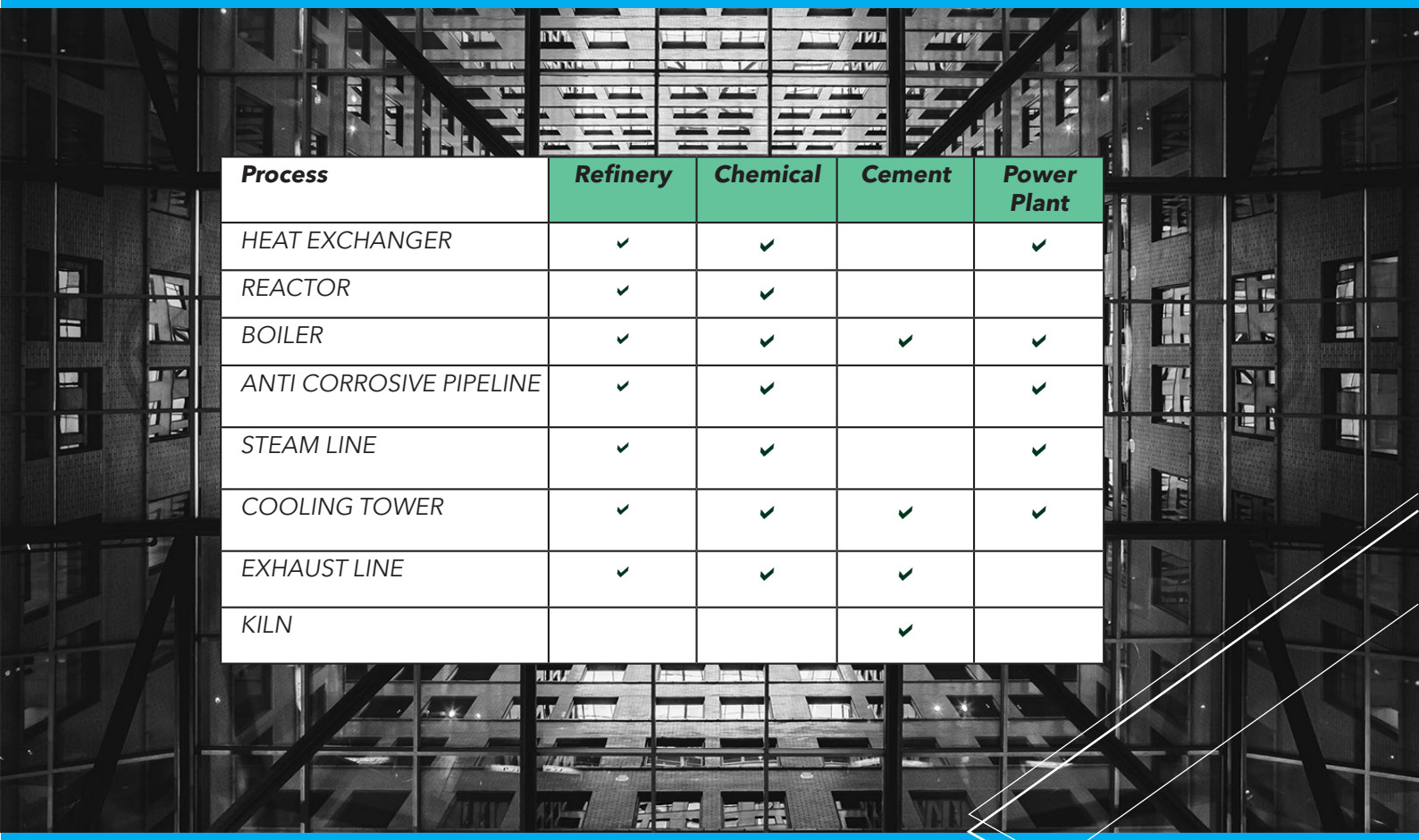
## BUSINESS FIELDS

The quality and reliability of our expertise has been proved in a wide range of industries including:

| *BUSINESS FIELD* |
| --- |
| Oil Refinery plants |
| LNG Plants |
| Chemical Plants |
| Power Generating Plants |
| Factories |
| Urban Infrastructure |

## PRODUCT APPLICATIONS

Our products are currently used in the following facilities and units:



| ***Process*** | ***Refinery*** | ***Chemical*** | ***Cement*** | ***Power Plant*** |
| --- | --- | --- | --- | --- |
| *HEAT EXCHANGER* | ✔ | ✔ | | ✔ |
| *REACTOR* | ✔ | ✔ | | |
| *BOILER* | ✔ | ✔ | ✔ | ✔ |
| *ANTI CORROSIVE PIPELINE* | ✔ | ✔ | | ✔ |
| *STEAM LINE* | ✔ | ✔ | | ✔ |
| *COOLING TOWER* | ✔ | ✔ | ✔ | ✔ |
| *EXHAUST LINE* | ✔ | ✔ | ✔ | |
| *KILN* | | | ✔ | |

# I OUR PRODUCTS

## 8851ND

8851ND CleaLock Gasket is future generation high-performance gasket which overcome a problems during construction such as can not get clamp feeling because of graphite type gaskets softness etc.
This make possible to get clamp feeling same as general gaskets,and will resolve concern for uneven clamping on the first try.Also regarding heat resistanc

- Temperature : 240~+650°C (Steam)
- Pressure : 5MPa
- Max manufacture size of integrally : ø1490mm
- Thickness 1.5mm, 2.0mm, 3.0mm, 4.0mm

Special anti stick coated!

## 1500 Hockdruck-Pro

Style 1500 is high performance gasket which approved "TA-Luft"the standard of prevention of air pollution guideline at German celan air act. By multilayer additional strengthening,generally can use this for the area of semi-metalic or metalic gaskets,also during an emagency situation can use assubstituting goods of volute gaskets etc. This can use wide range of application.

- Temperature : 240~+650°C (Steam)
- Pressure : 25.9 MPa
- Max manufacture size of integrally : ø1490mm
- Thickness 1.5mm, 2.0mm, 3.0mm, 4.0mm
- Various approved TA-Luft, BAM, Blowout (TUV), FireSafety (API607)

## 2711 Kammprofile Gasket

Kammprofile gasket is a serrated gasket which has a sealing layer (Graphite,PTFE,Mica etc)on the gasket core.
This gasket has high sealability if surface gasket stress is low. 2715 gasket is future generation core design kammprofile gasket. Under considerated regarding high seal performance,high pressure resistance, handling,and constructions etc,and designed important at high-dimensional.

- Thickness :

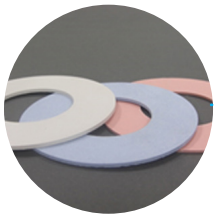
Gasket core standard 3.0mmT Seal layer standard 0.5mmT

- Standard core material : SUS316L
- Max gasket stress : 400MPa

## 6331/6332/6333 MacFron Pro

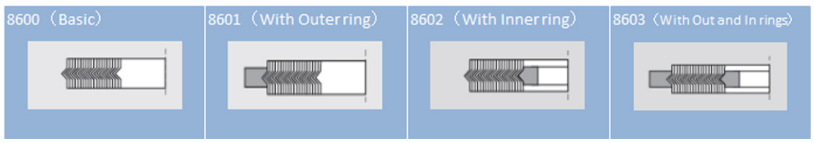
MacFlon-Pro series is a structured PTFE gasket sheet manufactured by a special process which provides a high level of fibrillation to overcome the creep relaxation and cold flow problems associated with nomal PTFE sheet.

- Temperature : -200~+260°C
- Max pressure : 5MPa
- PH Range : 0 - 14
- Sheet size : 1500mm* 1500mm
- Max gasket size in One piece construction : ø1490mm
- Thickness : 1.5mmT, 2.0mmT, 3.0mmT



## Spiral Wound Gasket

MacTornado spiral wound gasket that comprises a stainless steel inner support ring and winding strips, with a carbon steel outer support ring. It has PTFE filler in the inner sealing areas and graphite filler in the outer sealing areas. In operation, the PTFE filler enables the gasket to work with highly corrosive or high purity media, whereas the graphite-filled area provides a secondary seal under fire conditions.




## 4146 ecoWhite

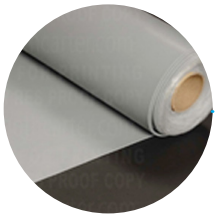
4146 ecoWhite is general use gasket which is vulcanized with organic and inorganic fiber with mixed special rubber and filler material. This gasket has excellent versatility such as pipe gasket in various industries.
Because of this white color, it is available for non-contamination service.

- Temperature : -50~+150°C
- Pressure : 3MPa
- Thickness : 1.5mmT, 2.0mmT, 3.0mmT
- Sheet size : 1270mmW*3810mmL (1.5mmT ˙2.0mmT ˙ 3.0mmT)

## 9320 Cleahybrid

9320 CleaHybrid is high performance rubber sheet gasket which is based on our design concept and existing rubber sheet technologies. This gasket is excellent to Heating resistance,Stress relaxation, compressiblity and recovery,electric insulation,weather resistance.

- Temperature : -47~150°C
- Pressure : 3.0MPa
- Max Gasket Stress : 9320 10MPa
- Thickness : 1.5mmT, 2.0mmT, 3.0mmT, 4.0mmT, 5.0mmT



## 8510

8510 products are gland packing made using MACFOIL (expanded graphite) yarn braided at a cross-sectional angle. Because of the characteristics of MACFOIL, you can also use 8510 products in high temperature and high-peripheral speed conditions.

## 5010

5010 products are gland packing which are braided at a cross-sectional angle, following treatment with
special lubricant carbon fibers. Fiber strength is high and it has excellent heat resistance and conformability.

## 6500

6500 products are gland packing braided at a cross-sectional angle.
They incorporate PTFE materials, dispersed throughout with an extended PTFE fiber. Since the base material is 100% PTFE, it has outstanding resistance to chemicals. Moreover, since the finished packing specifications include flexibly, it has great conformability to the axis.

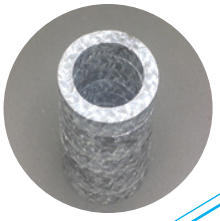
## 6570

6570 products are gland packing made with expanded PTFE fibers and containing special graphite lubricant, with aramid fiber braided at a cross-sectional angle. Gland packing corners were braided with aramid fibers. Because of the construction, this will inhibit protrusion of the packing.
It is possible to use in applications where pressure and high load are applied, even more than 6520 product.

## 8515

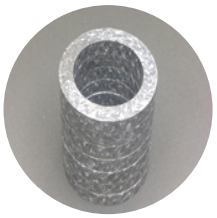
8515- 8515R are Gland packing products braided at a cross-section angle with MACFOIL (Graphite) and covered with yarn(PAT)which includes PTFE film. Because the surface of gland packing is covered with PTFE film,they made from MACFOIL(Graphite),these work to substantially control pressure applied to the PTFE gland packing.

- Limits heat expansion and heat shrinkage when heated.
- Stress relaxation(due to surface pressure reduction)



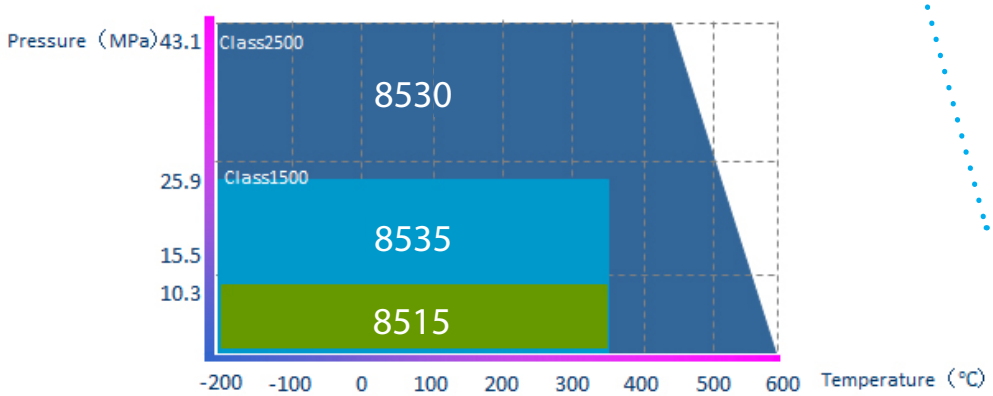
## 8535

8535 - 8535R are Gland packing products braided at a cross-section angle with MACFOIL (Graphite) and covered with yarn(PAT)which includes PTFE film strengthened with Inconel wire. Because the surface of the gland packing in not only covered with PTFE film, but also strengthened with Inconel wire,they excel in slide characteristics and pressure resistance characteristics. For graphite low slide types of gland packing it is much more common that they decrease stem torque because of the impregnation materials,but now 8535 is a new type of Gland packing which is able to get consistent seal performance andslide characteristics by being mechanically combined with PTFE film.



## 8530

8530 - 8530R are Gland packing products braided at a cross-section angle with MACFOIL (Graphite) yarn strengthened with Inconel wire. Because they are strenghtened by Inconel wire and specially impregnated with heat-resistant MACFOIL as a base material,it excels in heat resistance,alsopressure resistance and seal charactristics. Not only can they handle a wide-range of heat resistance,pressure resistance chemical resistance,but they are also a great improvement for packing removal during maintenance.



# I OTHER SERVICES

Matech also provides superior technical services supported by advanced Japanese Technology. You can expect not only superior product but also support service such as:

- Field Survey and Inspection
- Maintenance, Repair & Replacement
- Technical Consultation & Solution Provider

- Website: www.matech.my
- Email: admin@matech.my
- Office Tel: 082-496505
- Hp: 013-7798505