

OUR CAPABILITIES

Equipment	Quantity	Products
Thread Rolling Machine	5 sets	Threaded Bar, Stud, Bolt
CNC Lathe Machine	9 sets	Stud, Screw, Bolt, Nut, Tensioning Tool, Machining Part
CNC Milling Machine	2 sets	Nut, Tensioning Tool, Screw, Machining Part
Conventional Lathe Machine	2 sets	Stud, Screw, Bolt, Nut, Tensioning Tool, Machining Part
Conventional Milling Machine	2 sets	Nut, Tensioning Tool, Screw, Machining Part
EDM Machine	2 sets	Part/Bolt Cutting
Bandsaw Cutting Machine	2 sets	Part/Bolt Cutting
Nut Over Tapped Machine	4 sets	Nut Threading
Computerized Marking Machine	2 sets	Products Marking



ALLOY TECHNOLOGY SDN BHD

An associate company of the TRI-STAR GROUP

OUR ACCREDITATIONS



Quality Policy

We will always produce superior quality products and provide customers our best services.

We are committed to comply with total requirements and continually improve the effectiveness of the quality management system.

We will "DO IT RIGHT THE FIRST TIME" to achieve higher productivity.

Please find us at:
7, JALAN PENAGA 1,
KAWASAN PERINDUSTRIAN KOTA PUTRI,
81750, MASAI, JOHOR
 Office: +60 7 380 5524 / 380 5534
 Email: sales@alloy-technology.com



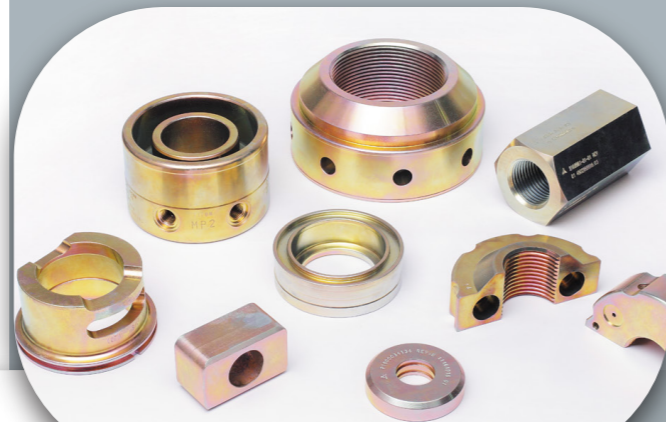
High Precision Bolting and Threaded Bar Products



More than 35 years experience in the fasteners industry worldwide

OUR PRODUCTS

Threaded Bar – Carbon Steel
 Threaded Bar – Stainless Steel
 Custom Made Fasteners
 Bolt Tensioning Tool
 Oversized Nut
 PTFE Bolts & Nuts



Testing is key process to ensure compliance with customer requirements. We offer testing with our associated company that includes :

- Non-Destructive Testing
- Chemical Analysis
- Mechanical Properties
- Ultrasonics
- Magnetic Particle Crack Detection
- Dye Penetrant Crack Detection

ALLOY TECHNOLOGY SDN BHD was established in 2011. We are an associate company of the TRI-STAR Group which has more than 35 years of experience in the fasteners industry worldwide.

We manufacture products to serve the Oil & Gas, Petrochemical, Power Generation Industries, Contractors, Manufacturers and Distributors.



Alloy Technology, attains API Spec Q1 Certification, and Product Specific Monogram Certifications for API Spec 20E and 20F

Alloy Technology, part of the Tri-Star Group has been granted approval from the American Petroleum Institute to use the API Spec 20E & 20F Monogram (license number 20E-0014 & 20F-0011), in addition to API Spec Q1 Manufacturing Certification. These API certifications along with ISO 9001:2008 Registration show Tri-Star Group's continued commitment to provide a Quality Management System that is a global market leader.

API 20E and 20F specify requirements for the Qualification, Production and Documentation of alloy steel and special material used in the upstream and downstream. The API 20E and 20F standard define three levels of Bolting Specification Levels (BSL). Alloy Technology is certified for all levels - BSL-1, 2, and 3, while BSL-3 is addressing the highest level of severity in meeting technical, quality and qualification criteria. API 20E and 20F certify procurement, production and inspection processes for all sizes of roll threaded studs, and all sizes of fully machined bolts, screws and nuts where we are supplying to the Subsea Equipment Manufacturers.

Quality Management System

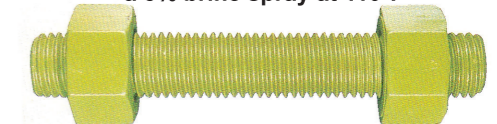
API Spec Q1 – Manufacturing QMS Requirements (License Number Q1-2881)

OUR QUALITY COATINGS

Mastercote® fluoropolymer coating for bolts and nuts is the industry leader. It is used in offshore and subsea installations around the world. Developed since 1983 to serve the oil and gas industry, Mastercote® has gone through various stages of upgrading, through consultation with the industry users, to become effective and cost efficient.

MASTERCOTE

SALT FOG SPRAY TEST
 stud bolts subject to 720 hours in a 5% brine spray at 110°F



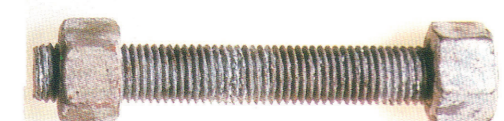
Mastercote Fluorocarbon coated Bolt
 No visible sign of damage. Functionable as new.



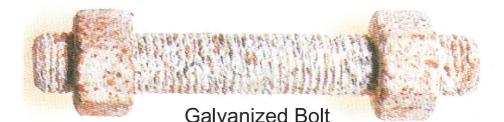
Cadmium Plated Bolt
 Total coating failure. Severely corroded.



Black B-7 Bolt
 Both utterly destroyed. Would fail in service.



Aluminized Bolt
 White powder all over. Moderate corrosive effects. Nuts frozen.



Galvanized Bolt
 Heavy oxidation. Nuts frozen.

Performance

Mastercote® CPFC system (Cadmium Base) has been saltspray tested to 9000 hours without a spot of rust. That is one year under extreme laboratory conditions.

MasterNIZcote ZNFC system (Zinc-Nickel Plated Base) has been saltspray tested to 5000 hours. Results were 0% rusty and 0% stained. Both nuts were functional.

Masterguard® Xylar 2 (Ceramic system Base) has been saltspray tested to 5600 hours. Results were 0% rusty and 0% stained. Both nuts were functional.

Mastercote® ZPFC system (Zinc Plated Base) has been saltspray tested to 4000 hours. Results were 20% rusty and 50% stained. Both nuts were functional.

Mastercote® FC system (Phosphate Base) is the most economical in our series of coated bolts and nuts, sustains about 3500 hours under the same saltspray tests.