

# Company Profile

2022



**TUNAS ASAL SDN. BHD.**

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OUR PRODUCTIVITY & QUALITY ALWAYS MEET CUSTOMER SATISFACTION

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# About Our Company

## Our Service

Incorporated in 1992, Tunas Asal Sdn. Bhd. engage in the design and manufacture for wide product category of

- Pressure Vessels
- Non-Pressure Vessels
- Heat Exchanger
- Mounted Skid & Thermosyphons
- Site Installation Works
- Silo
- Storage Tanks
- Steel Structural
- Installation of Vessel or Machinery

**Our 22860 m2 manufacturing facilities is just about 72km away from Port Klang and 37km away from Kuala Lumpur International Airport (KLIA).**

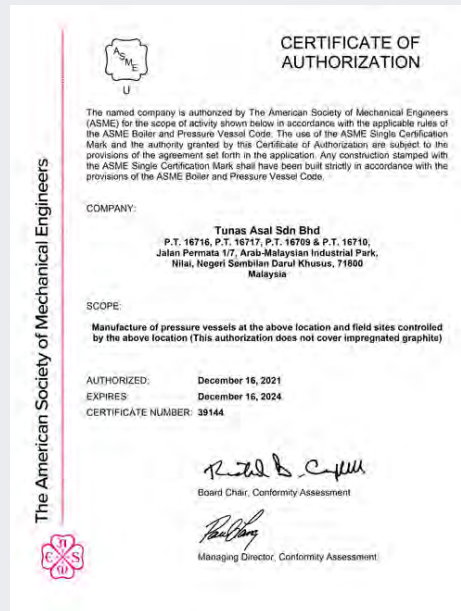
## Our products can be find application in various industries

- Oil and Gas
- Petrochemicals
- Oleochemicals
- Semi-Conductor
- Food & Beverages
- Chemicals
- Power Plant

Due to our commitment to client requirement and international design Codes, we have earned our company a lot of orders from local and oversea companies in Middle East, Europe, Japan, Indonesia, Thailand, India, Singapore, Australia and others.







**Dosh (JKKP, Malaysia)**

Since 1992



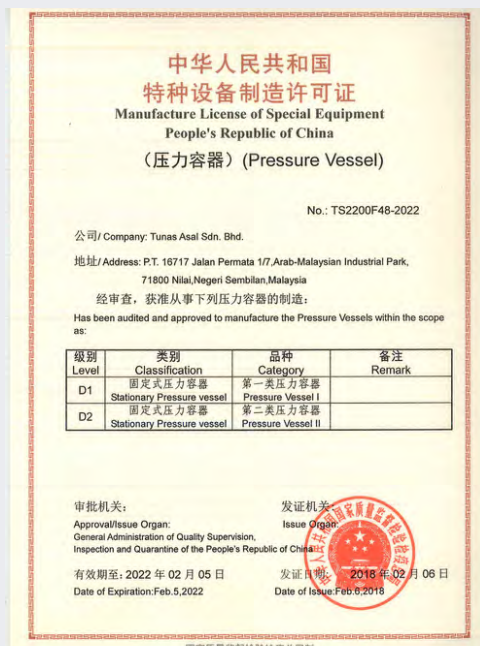
**ASME, 'U Stamp'**

Since 2009



**National Board B.I.**

Since 2009



**SELO**

Since 2018



**ISO 9001**

Since 2015



**Quality, Safety And Health Certificate**

# Statement of Policy, Authority & Responsible

Tunas Asal Sdn. Bhd. quality policy has been developed to assure compliance to the Section VIII

Div. 1 ASME Code. All employees are directed to adhere to all requirements of this Manual and

the ASME Code at this location and field site controlled by this location.

The Quality Control Manager has been given the authority and the organizational freedom to

identify quality control problems and to initiate, recommend and provide solutions. He has the

authority to stop activities when the requirement of the Code and the Manual are not followed.

Quality Control Manager shall not be overruled by any other department. In case of conflict with

other department, any unresolved issue shall be brought to my attention. The issue shall be

resolved by me with Code justification.

For the level of quality, it is achieved through adoption of a system of procedures that reflect the

competence of the Company to existing customers, potential customers, and independent auditing authorities.

Achievement of this policy involves all staff, who are individually responsible for the quality of

their work, resulting in continually improving environment for all. This policy is provided and

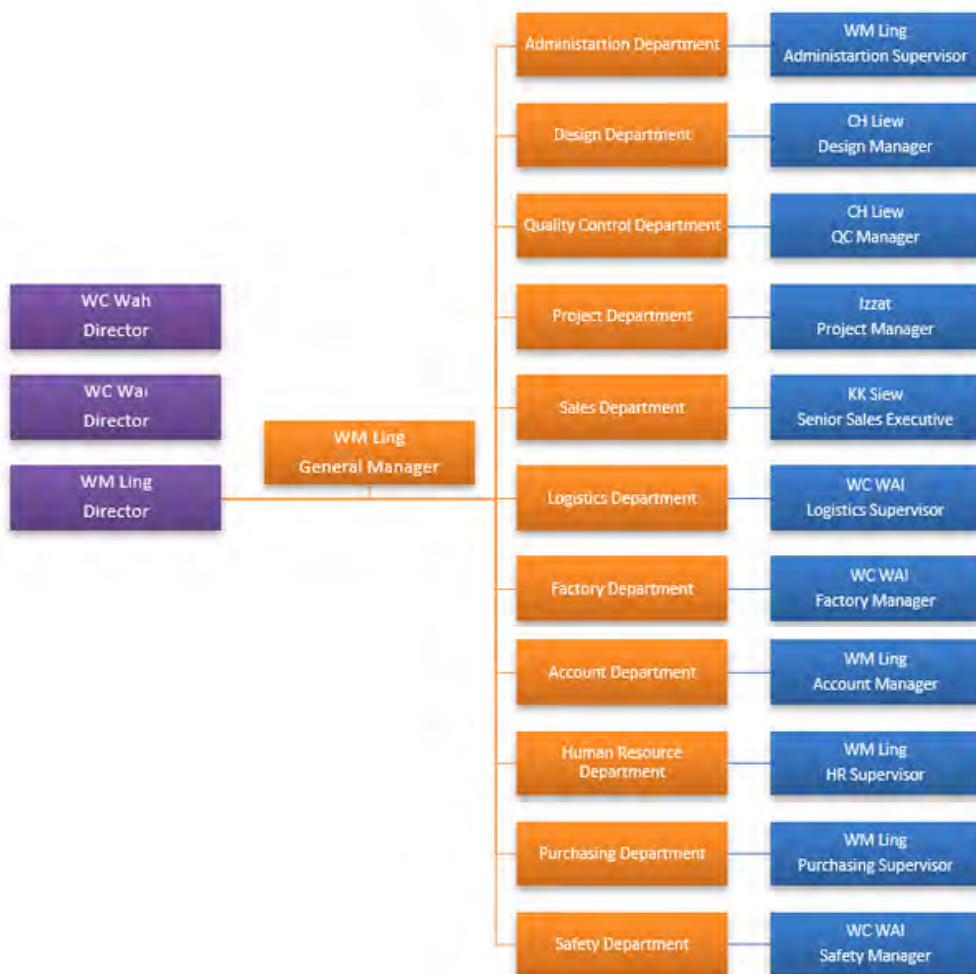
explained to each employee by me or Quality Control Manager.

The objectives of the Quality Assurance System are:

- To maintain an effective Quality System complying with the requirements of ASME Section VIII Division 1.
- To achieve and maintain a level of quality which enhances the Company's reputation with customers
- To ensure compliance with relevant statutory and safety requirements
- To endeavor, at all times, to maximize customer satisfaction with services provided by Tunas Asal Sdn. Bhd

# Organization Chart [Simplified]

## 2022



### TOP MANAGEMENT TEAM

3 PERSON

### OFFICE EMPLOYEES

21 PERSON

### TOTAL PRODUCTION WORKER

78 PERSON

# Design And Engineering Services

Our design department offers design and drafting services strictly adhering to International Standard, such as:

- ASME
- API
- TEMA

We are capable to provide you with mechanical design calculation and drawing [2D&3D]

Calculation Software : PV Elite  
Design and drafting software: AutoCAD

## Welding Process Applicable

Tunas Asal engage skilled and qualified welders for all welding processes. Our welders are well experiences with material:

- Austenitic Steel: SA240-304 / 304L, SA240-316 / 316L, SA240-310S, SA240-S30815, SA240-904L
- Duplex Steel: SA240-S31803
- Titanium Alloy: SA861-12
- Monel Steel: Monel 400
- Carbon Steel: SA516-70, SA106-B, EN10025-S275JR, EN10025-S335JR

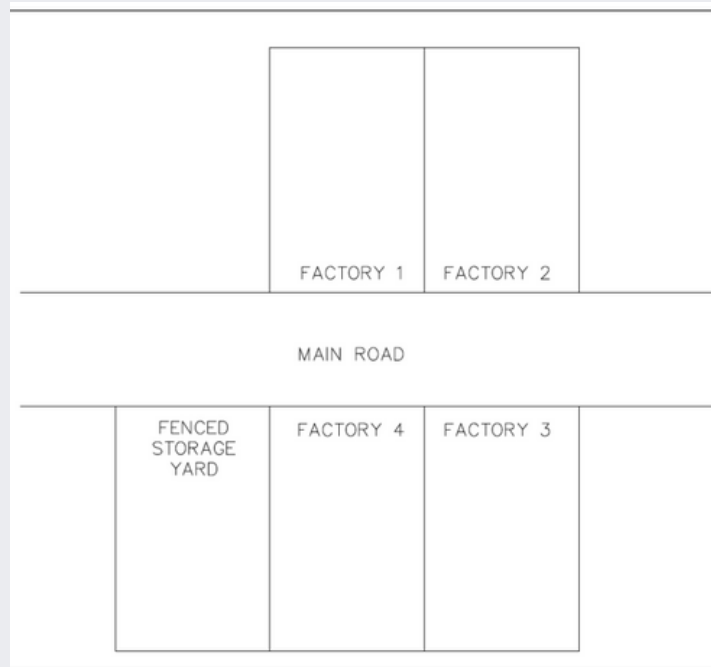
Our welder is capable to perform:

- SMAW - Shield Metal Arc Welding
- SAW - Submerged Arc Welding
- GTAW - Gas Tungsten Arc Welding
- FCAW - Flux Cored Arc Welding

# Manufacturing Facilities

## Fabrication Facilities

Our fabrication area is at 22860m<sup>2</sup> yard





# Manufacturing Facilities

## Factory 1

Area - 4572 m<sup>2</sup>

Electrical Current - 200 Amp

Over Head Crane – 5 tonne x 2  
10 tonne x 1

Factory Main Entrance - 9m x 9m

Maximum Fabrication Height in Factory - 10m



# Manufacturing Facilities

## Factory 2

Area - 4572 m<sup>2</sup>

Electrical Current - 300 Amp

Over Head Crane – 10 tonne x 2  
15 tonne x 1

Factory Main Entrance - 9m x 9m

Maximum Fabrication Height in Factory - 12.6m



# Manufacturing Facilities

## Factory 3

Area - 4572 m<sup>2</sup>

Electrical Current - 300 Amp

Over Head Crane – 10 tonne x 2  
16 tonne x 1

Factory Main Entrance - 9m x 9m

Maximum Fabrication Height in Factory - 12.6m





# Manufacturing Facilities

## Factory 4

Area - 4572 m<sup>2</sup>

Electrical Current - 300 Amp

Over Head Crane – 10 tonne x 1

16 tonne x 1

5 tonne x 2

Factory Main Entrance - 9m x 9m

Maximum Fabrication Height in Factory - 12.6m



# Manufacturing Facilities Open Storage Yard

Area - 4572 m2





# Manufacturing Facilities

## Machinery Capabilities

Facilities	Qty	Spec / Capacity
Shearing Machine	1	Cutting Range: 0 - 10mm thk
Single Bend Tube Bender	1	Max Bend: OD 30mm
Pipe Bending Machine	2	Max Bend: 3" Pipe
Bending Machine	1	Capacity: 120 Ton
Bending Machine	1	Capacity: 50 Ton
Lathe Machine	2	Max Cutting Surface: Ø1100mm
Milling Machine	2	Working Surface: 10" x 50"
Metal Cutting Band Saw	1	Max Cut Capacity: 180mm
Drilling Machine	2	
Hydraulic Iron Worker	1	Capacity: 1000 Ton
Rolling Machine	3	Min: OD 406mm for 10mm thk
Water Cut Machine	1	Max Cut Capacity: 100mm Cutting Bed: 2000mm 4000mm
Plasma Cutter	1	Max. Cut Thickness: 38mm
Plasma Cutter	1	Max. Cut Thickness: 25mm
Air Compressor	3	Capacity: 15 HP
Air Compressor	1	Capacity: 20 HP
Double Side Beveling Machine	1	Capacity Range: 7 - 70mm
I-Cut CNC Plasma & Flame Cutting Machine	1	Effective Work Width: 5100mm Effective Work Width: 13500mm
Air Compressor	3	Capacity: 15 HP
Air Compressor	1	Capacity: 20 HP
Overhead Crane	2	Capacity: 5 HP
Overhead Crane	5	Capacity: 10 HP
Overhead Crane	2	Capacity: 16 HP
Forklift	1	Capacity: 3.3 Ton
Forklift	1	Capacity: 2.5 Ton
Rotator	1	Capacity: 25 Ton

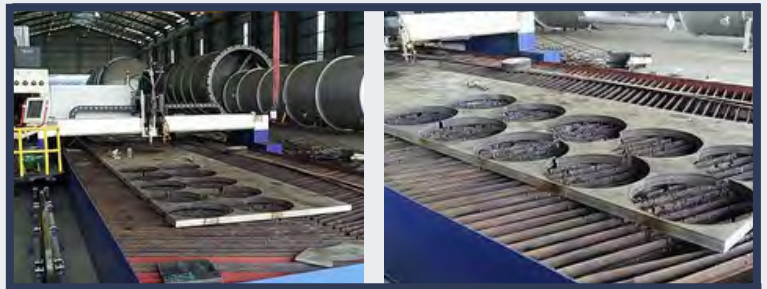
# Manufacturing Facilities Machinery Capabilities

Facilities	Qty	Spec / Capacity
SAW Welding Machine	2	
SMAW Welding Machine	15	
GTAW Welding Machine	5	
FCAW Welding Machine	6	
Orbital Arc Welding Machine	1	
Double Sided Polishing Machine	2	
Baking Oven	2	
Holding Oven	2	
Quiver	10	

# Manufacturing Facilities Machinery Capabilities



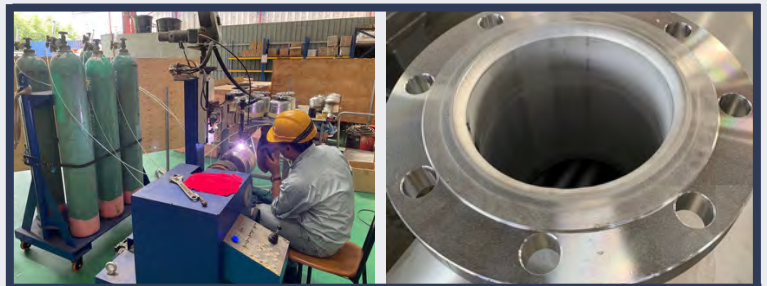
Water Cut Machine



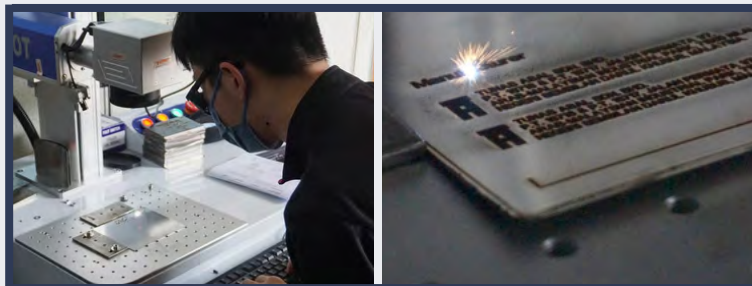
I - Cut CNC Plasma & Frame Cutting Machine



Automated Double Grinding Head Polishing Machine



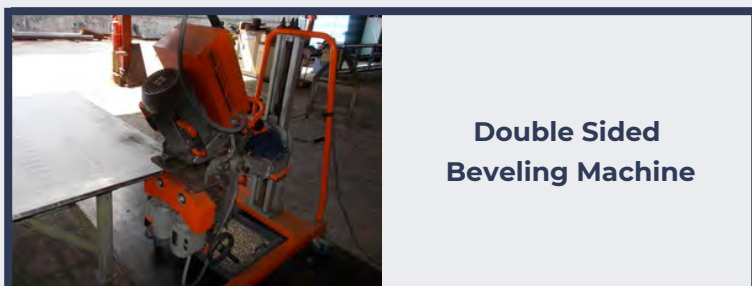
TIG Orbital Weld Machine



NamePlate Engraving machine



Orbital Arc Auto Weld Machine



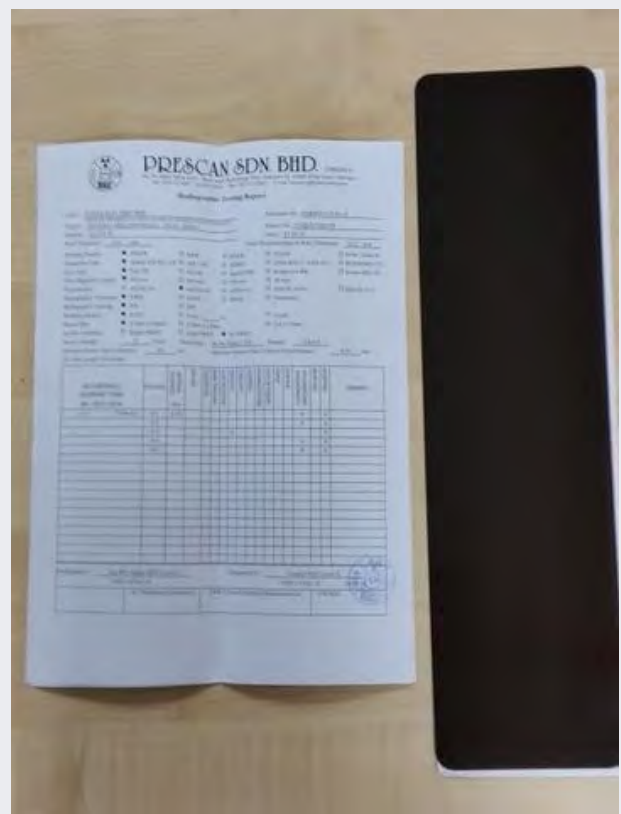
Double Sided  
Beveling Machine

# Manufacturing Facilities

## Quality Control Tools

Facilities	Qty	Spec / Capacity
Ultrasonic Thickness Gauge	1	Range: 1.2 - 225mm thk
Coating Thickness Gauge	1	Range: 0 - 120 mil (0-3048 mic)
Digital Clamp Mater	2	Max Range: AC - 750 V DC - 1000 V AC / DC - 1000 A
Infrared Thermometer	1	Range: -50-1000 °C
Laser Distance Measured Machine	1	Range: 0 - 40m
Welding Gauge	2	
Taper Gauge	2	
Internal Micrometer	3	Range: 16 - 40mm
Pressure Gauge	31	Range: 60 - 6000 psi

# RADIOGRAPHIC EXAMINATION



# ULTRASONIC EXAMINATION





# LIQUID PENETRANT EXAMINATION



# MAGNETIC PARTICAL EXAMINATION



# **POSITIVE MATERIAL IDENTIFICATION EXAMINATION**





# PRODUCT AND SERVICE

Mass Production Pressure vessel  
for  
Semi-Conductor Industry





# PRODUCT AND SERVICE

Mass Production Pressure Vessel  
for  
Various Industries



# PRODUCT AND SERVICE

Column -

Pack Column Deodorizer

Soft Column Deodorizer

Semi-Continuous Deodorizer

**Max Builded Size:**  
**ID 5000 x 24600 S/L mm**





# COLUMN



Tunas Asal Sdn Bhd



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# PRODUCT AND SERVICE

Filter Housing  
For Various Industries



# PRODUCT AND SERVICE

Filter Housing  
For Various Industries





# PRODUCT AND SERVICE

Cyclone Separator

Reactor

Cooler Vessel



Tunas Asal Sdn Bhd



# PRODUCT AND SERVICE

Cyclone Separator

Reactor

Cooler Vessel





# PRODUCT AND SERVICE

Cyclone Separator

Reactor

Cooler Vessel

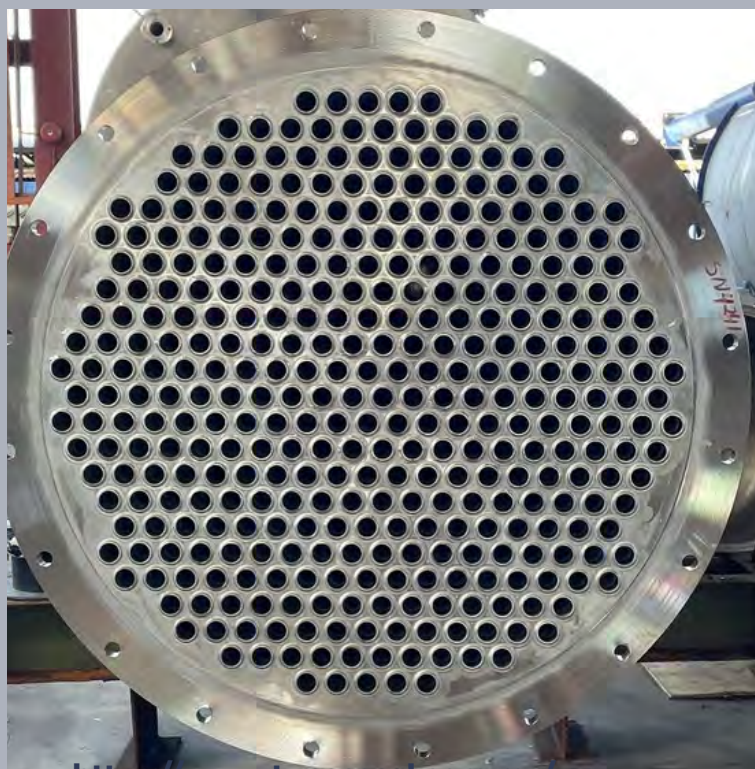






# HEAT EXCHANGER

VHE ECONOMIZER & FINAL HEATER DOME  
SHELL & TUBE HEAT EXCHANGER



Tunas Asal Sdn Bhd





# HEAT EXCHANGER

VHE ECONOMIZER & FINAL HEATER DOME  
SHELL & TUBE HEAT EXCHANGER





# POLISHING VESSELS

POLISHED TANK FOR  
F&B AND CHEMICAL INDUSTRIES





# POLISHING VESSELS

**POLISHED TANK FOR  
F&B AND CHEMICAL INDUSTRIES**



# PRODUCT AND SERVICE

Gasifier for  
Power Plant Industry





# PRODUCT AND SERVICE

Silo & Hopper  
Max Buildd Size:  
I.D 5000 X 9100 T.L





# PRODUCT AND SERVICE

Silo & Hopper  
Max Builded Size:  
I.D 5000 X 9100 T.L





# Module Skid & Thermosyphons

We are capable of undertaking projects involving design, fabrication and integration of equipment for various process



Tunas Asal Sdn Bhd



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# Module Skid & Thermosyphons



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# SITE INSTALLATION





# SITE INSTALLATION





# PACKING METHOD



Tunas Asal Sdn Bhd



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# PACKING METHOD






# LOCATION MAP & CONTACT INFO

One of us advantages, our company is strategically located within the regional land, sea and air transportation hub.



 **TUNAS ASAL SDN. BHD.**

Our fabrication yard is just about 72km away from Port Klang and 37km away from Kuala Lumpur International Airport (KLIA).



Jalan Permata 1/7, Arab Malaysian Industrial Park, 71800 Nilai, Negeri Sembilan



06-799 0462



Tunas Asal Sdn Bhd



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# CONTACT INFO

Our Sales Team  
are here to answer questions  
you might have.

## Sales Team



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