

**Built / Sep-2014**  
**Area / 205,000 m<sup>2</sup>**



**30 % Sustained Annual Growth Rate**

**98 % Efficiency**

**98 % Ship on time**

**More than 46 Million Parts export yearly**

**Less than 50 PPM FQA**

**90 % export to world class customers.**

**18 000 Tooling parts**

**1 800 Part numbers**

**0.1 % Personnel turnover**

**More than 3000 Highly Trained Employees**

**3 State of the art manufacturing plants**



# QUALITY ASSURANCE

IATF 16949:2016

ISO 9001:2015

Six Sigma

ISO 14001:2015

ISO 50001:2011



With the aim of outstanding quality, VCU owns the precise laboratory and measuring system , also to get ISO 9001, ISO14000/TS16949 in 2016, IATF 16949:2016 in 2017 all of this based on APQP.

# DEVELOPMENT

Designing

Engineering

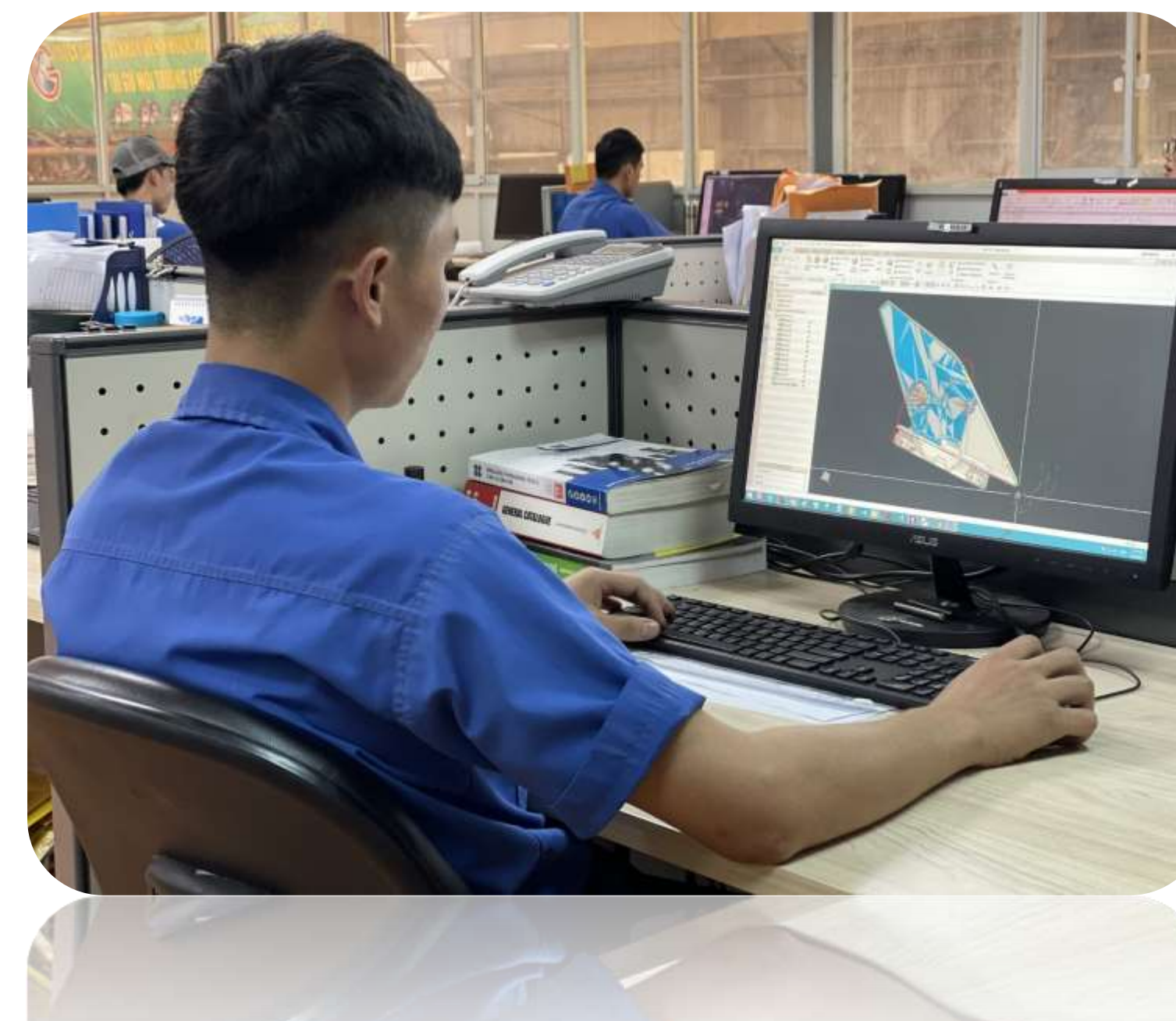
Tooling Shop





## Design

With more than 20 years experience on designing powersports, motorcycle, automotive products, we still learn and improve technical everyday and take the advantages of experience applying in new projects.

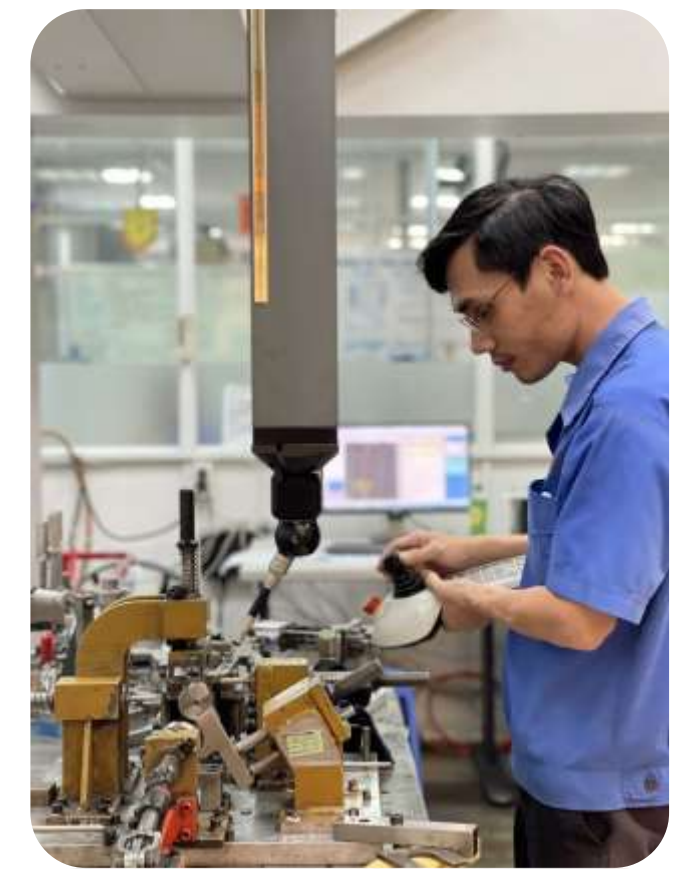
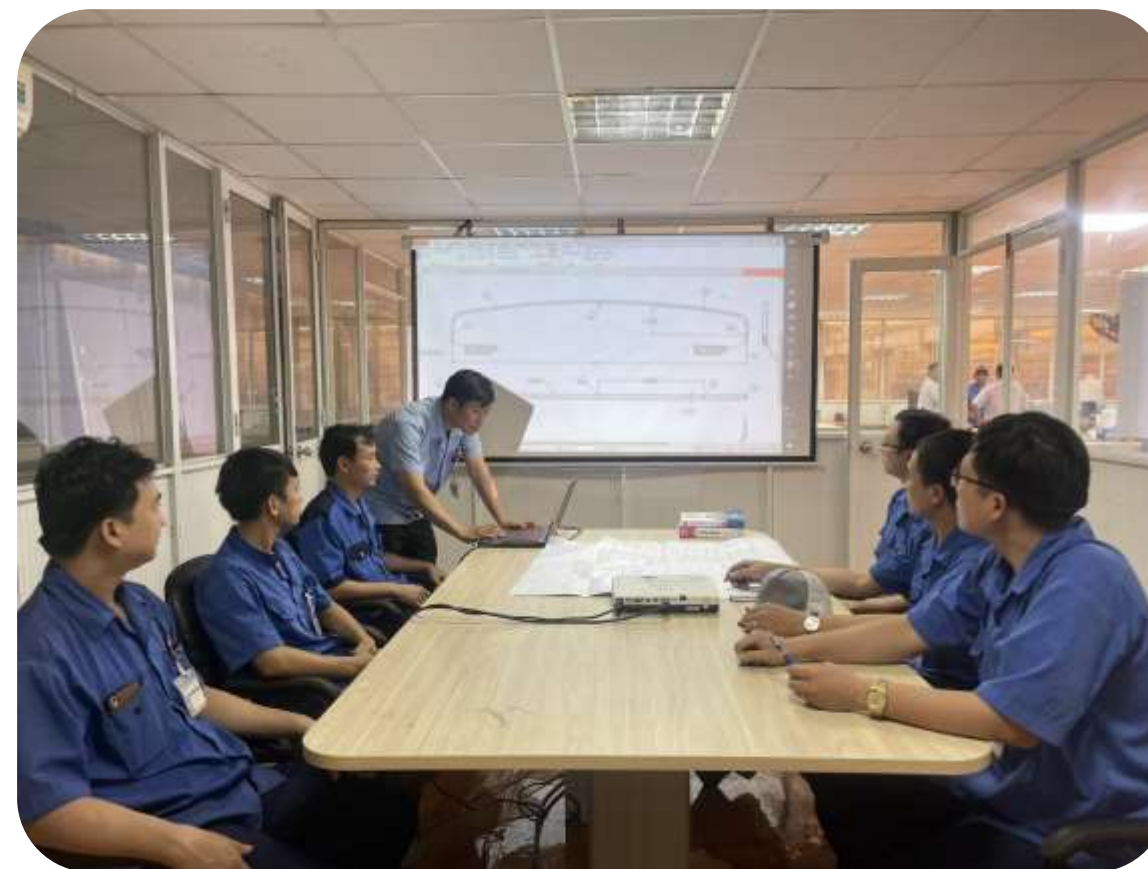




# Engineering

From the design, our R&D team take part in making sample, making deep analysis on each components and the whole structure, combine with our production experience to create products out of the papers.

In the process, our team is also finding difficulties and risks on production, to improve before going to production.





## Tooling shop

Together with the product design, making tooling is part of a successful project. With all the tooling and jigs designed and made in house, we are fully control the timeline, schedule and technique.





# QUALITY ASSURANCE

X-Ray  
testing

Density  
testing

Leak  
test

Bicycle  
testing

Profile  
measuring

CMM  
Measuring

Surface  
roughness

Surface roughness testing

Plating thickness  
testing

Salt Spray  
testing

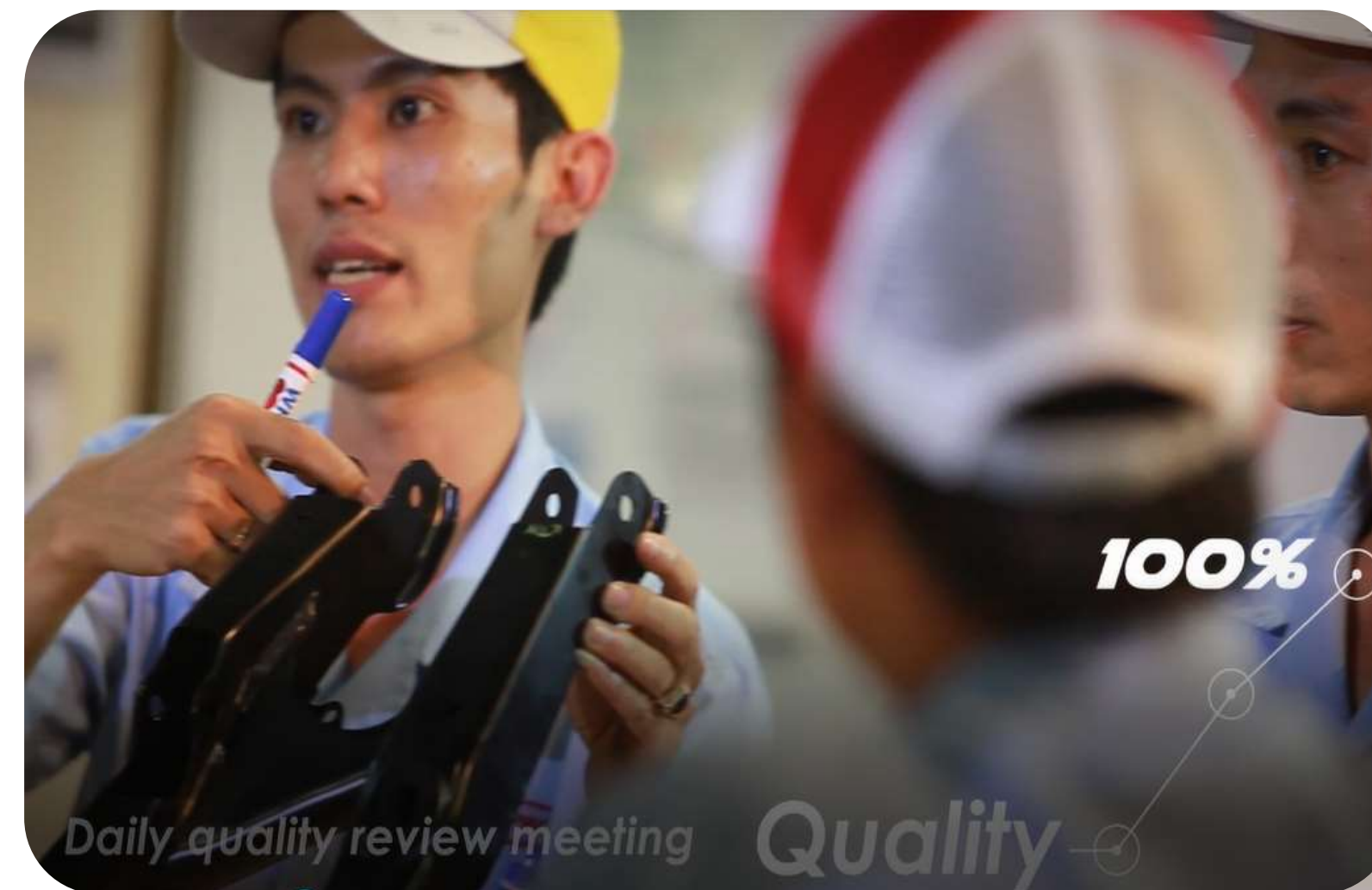
Spectrometer  
testing



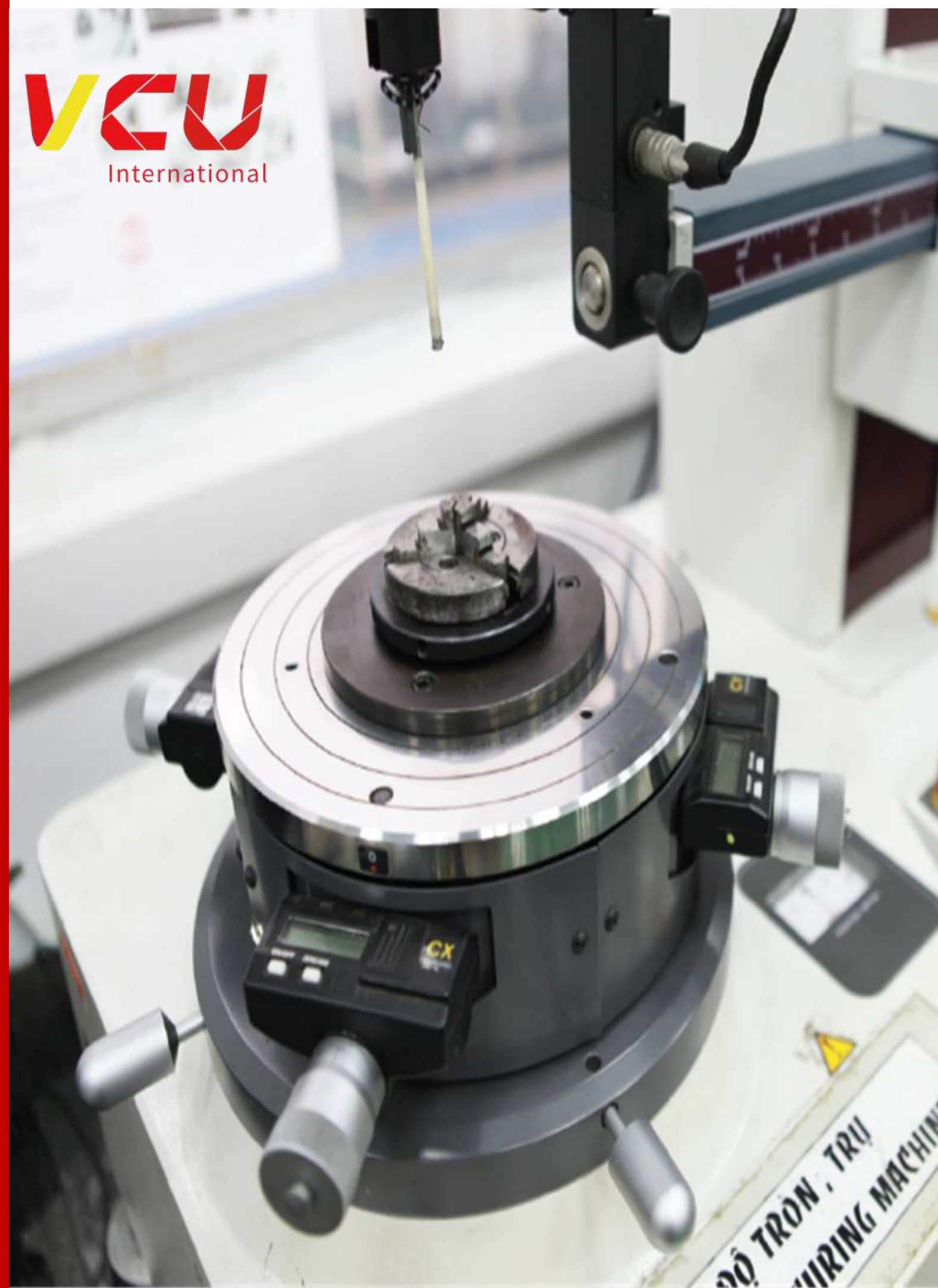


# Quality Assurance

In order to achieve the goal of getting quality less than 50 PPM at customer end and SHIP ON TIME of 98% for 2017, VPIC relies on its people / production / QA processes, with the most modern state-of-the-art equipment and in the ability to store, organize and maintain the tooling and JIG's of our customers.







- X-ray testing
- Spectrometer testing
- Chemical and Mechanical testing





- Bicycle brakes road testing machine Hungta
- Bicycle frame fork front/Rear vibration tester CY
- Falling mass tester ChunYen
- Cycle testing machine Hungta



# MANUFACTURING

Die-casting

Laser cutting

Painting

Steel  
Forging

Stamping

CNC  
Machining

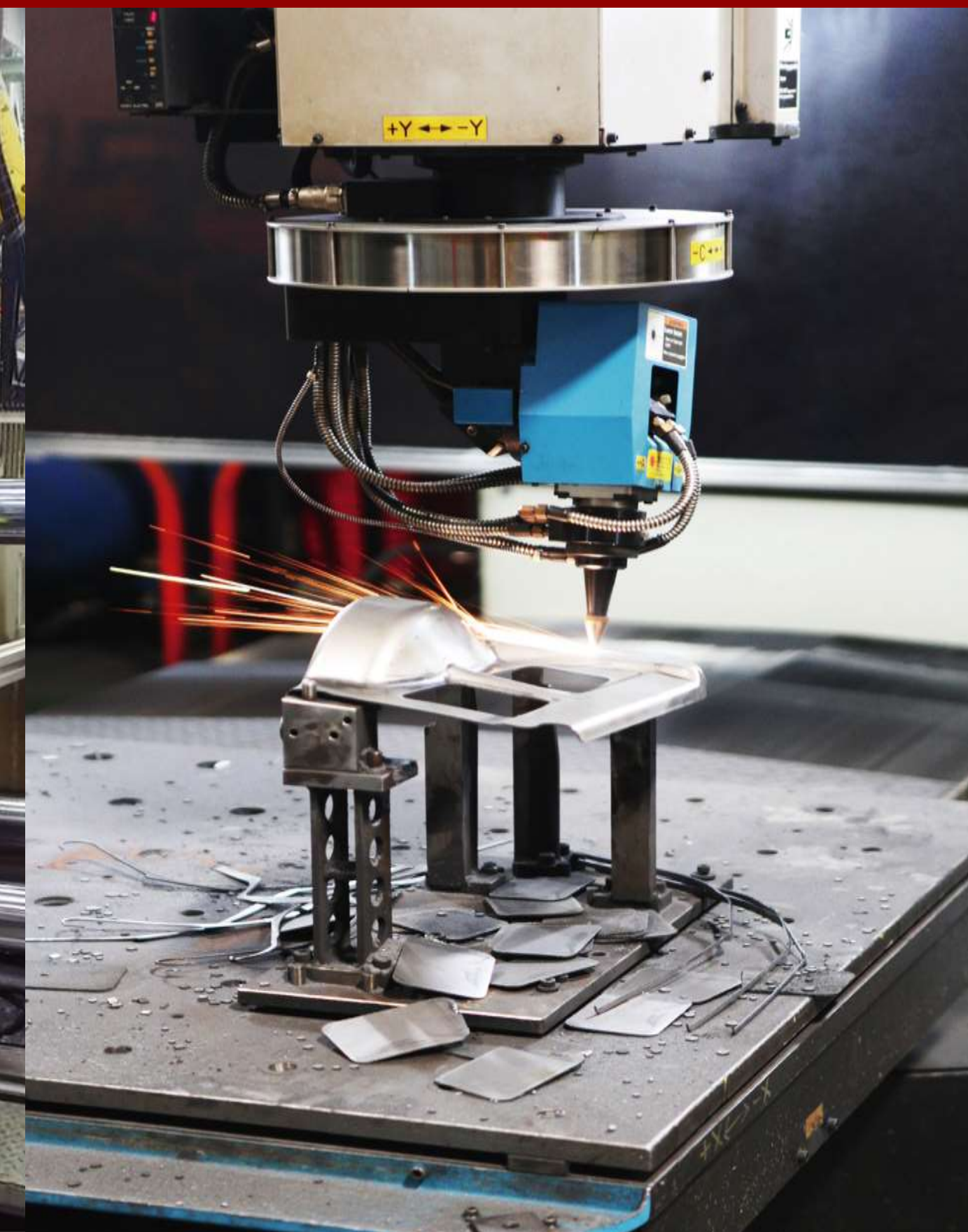
Plastic  
Injection

Assembly

Welding

OEM  
bicycle

Investment casting





# Aluminum Die Casting



- 1 Toshiba DCM of 2500 tons and 1 Toshiba DCM of 1650 tons
- 2 Toshiba DCM of 1250 tons and 2 Toshiba DCM of 800 tons
- 2 Toyo DCM of 650 tons
- 2 Toyo DCM of 350 tons





## Welding

157 Welding robots.  
4 Automatic welding lines.

## Stamping

84 Stamping Presses from 35  
to 1200 tons



## Hot Forging

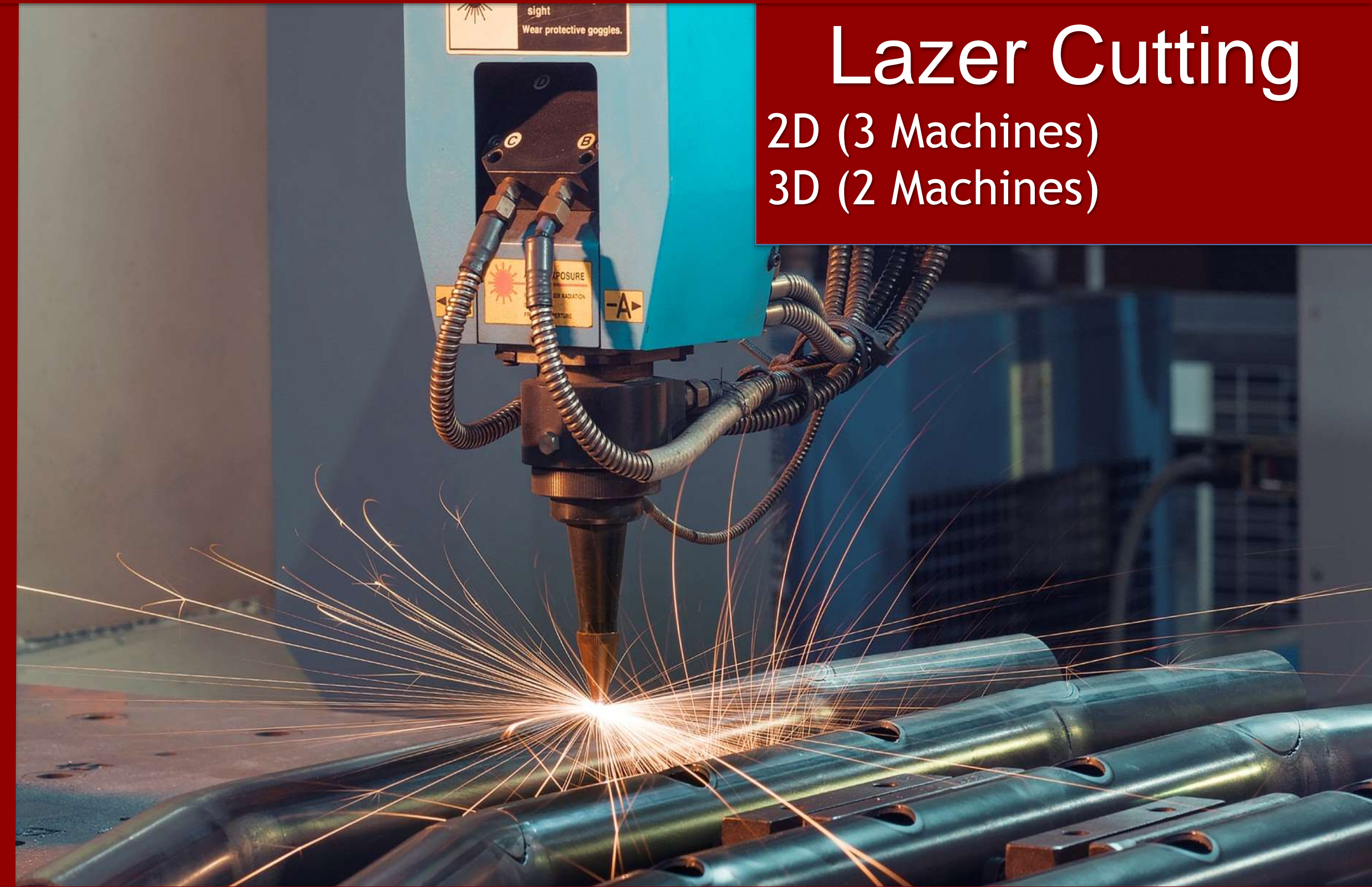
8 Steel Forging presses  
1x 600/3x1000/3x1600/  
2x 2500 Ton  
1 x 600 / 1 x 1000 Aluminum  
Forging







**CNC Machining**  
168 CNC machines (Lathe and Milling).  
14 Boring CNC machines.



## Lazer Cutting

2D (3 Machines)  
3D (2 Machines)



## Investment Casting

1 Line Investment casting





**Painting**  
ED painting

**Painting**  
Liquid painting

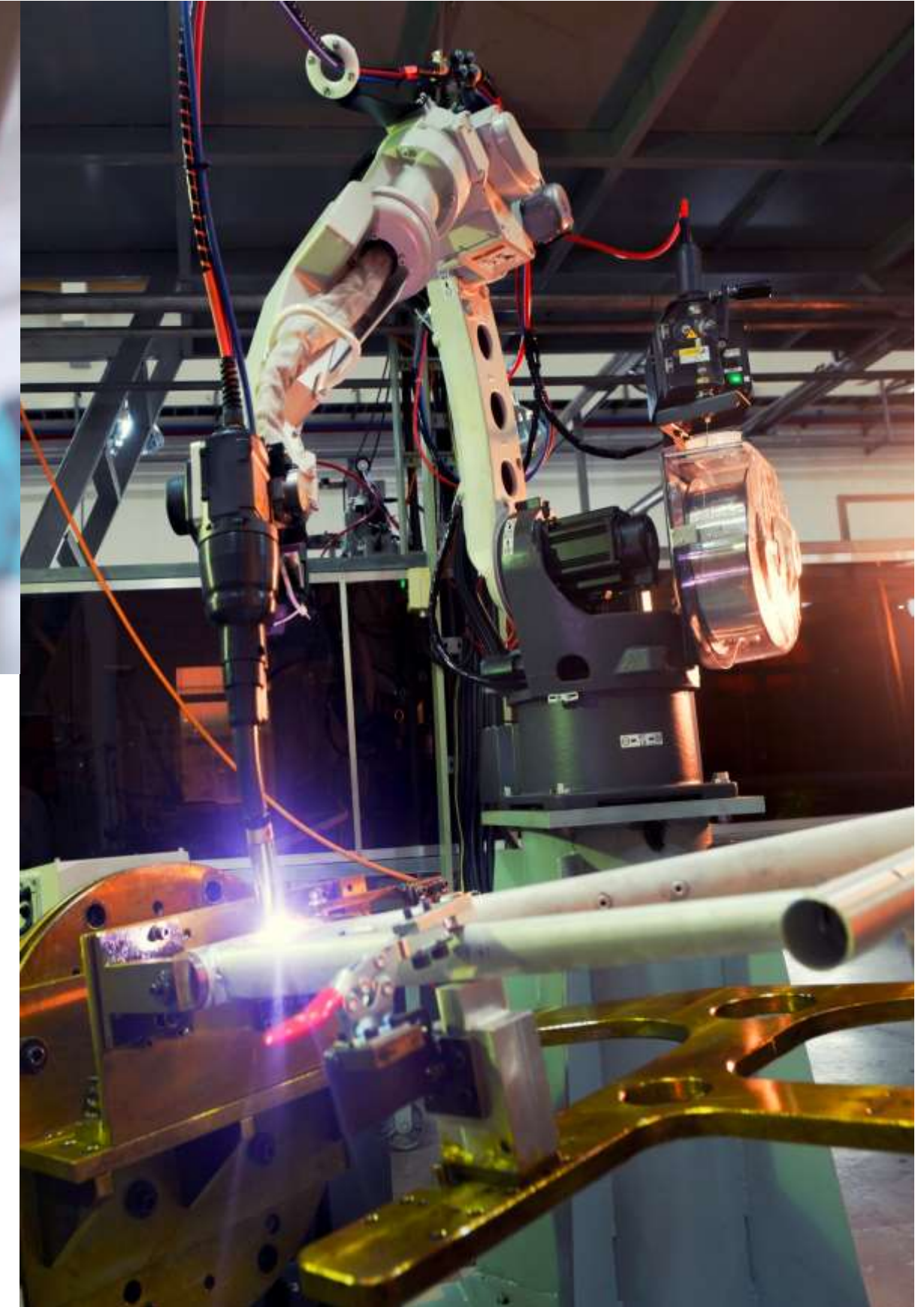


**Powder**

**Painting**  
Powder painting







VCU's newest plant is equipped with state-of-the art bicycle manufacturing and assembly equipment.



# OUR CUSTOMER

We design, optimize and manufacture all types of products and components for leading companies around the world, as well as for up and coming smaller, innovative ones.

We create a close relationship with our clients, listening to them and making sure their projects become successes.





# OUR PRODUCT

## *Motorcycle components*





# OUR PRODUCT

## *Powersports*





# OUR PRODUCT

## *Automotive Chassis-Powertrain*





# OUR PRODUCT

## *Powersports components*





# OUR PRODUCT

## *Powersports components*





# OUR PRODUCT

## *Powersports components*





# OUR PRODUCT

*Powersports components*

