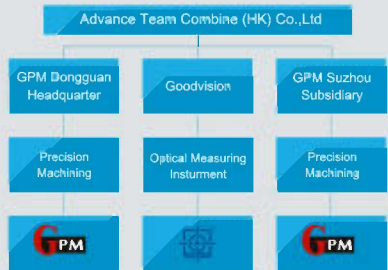


Focus On Precision Machining Assembly Services

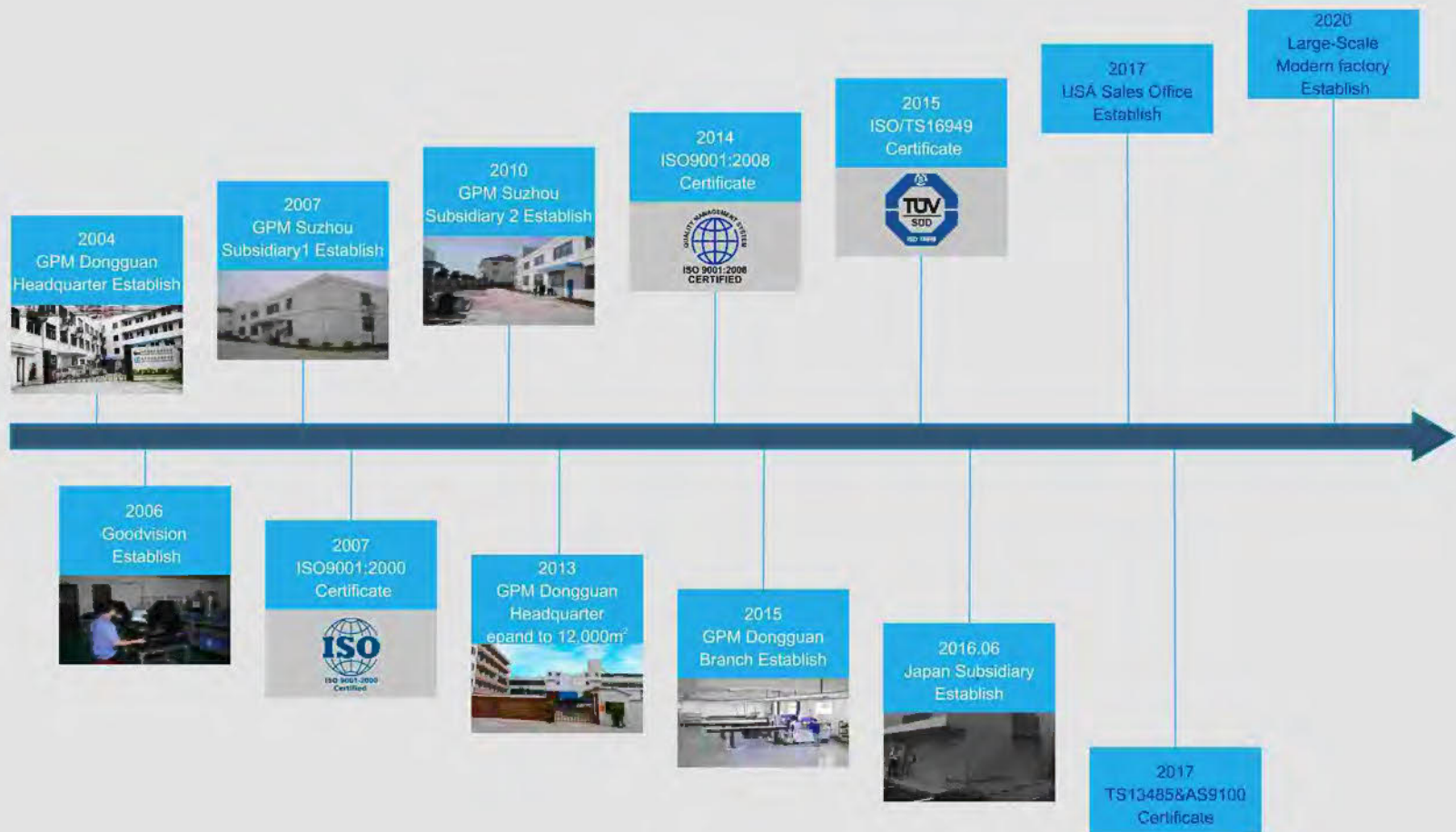


Who we are ?

- Since 2004 GPM establish precision machining production base near Guangzhou City. The main provider of non-standard precision parts, jigs, fixtures, precision welding, assembly design.
- Certified to ISO9001:2008, ISO TS16949, ISO 13485, ISO 14001 quality management system.
- After 14 years steady development, we have two sub-factories.
- Currently total number of employees more than 500.
- Our sales market all over the world such as, Germany, Switzerland, Japan, Australia, United States, etc....



Company development



Made In GPM, Service in Global



- 2014 GPM Germany Sales Office Established
- 2015 GPM Australia Sales Office Established
- 2016 GPM Japan Subsidiary Established
- 2017 Plan to Establish USA Sales Office

Main Partners

Automotive area



Automation area



Lighting area



Semi- Conductor area



TAIYO YUDEN

Optical area



Electronic area



Machinery area

Panasonic



Medical area

mindray 迈瑞



Primary Services

Mass Production

Swiss Tuming

Turning milling multi features combine machining

5-Axis Machining



CNC Milling

3 axis & 4 axis High Speed Milling



NC Turning

with Milling head



Prototype & Trial Order

Manual Lathing

Manual Milling

Wire EDM

Min Ø0.07mm wire

ID/OD Grinding

Precision Welding



Mass Production

- Jig and Fixtures for Fabrication and Inspection
- Machine & Product Assembly

Cleaning

- Ultrasonic Cleaning
- Free of Deburrs

Services

Heat Treatment (Subcontractor)

Hardening
Induction Hardening
Carbonization
Nitriding
Carbonation



Semi-finished Material

Plastic Injection
MIM
Aluminum Extrusion
Stainless Steel Casting
Sheet Metal Bending / Stamping



Surface Treatment (Subcontractor)

Anodizing
Hard Anodizing
Electroplated
Painting
Polishing



Sourcing Support

Engineering Support
Quality Control
Quality Inspection
Trading

Our Machine Apparatus

5-Axis Machining



Machining Capability

Brand	Japan	OKUMA
Quantity	2 sets(MU-5000V,MU-4000V)	
Precision	±0.005mm	
Axis	5 axis	
Max Capacity	Diameter:φ700mm	
	Length:500mm	
General Material	Aluminum, Carbon Steel, Stainless Steel, Brass, Bronze, Ultra Hard Metal ,Engineering Plastic...	
Apply For	Complex, high precise, Middle &big volume, Mass Production	

Horizontal CNC Milling



Machining Capability

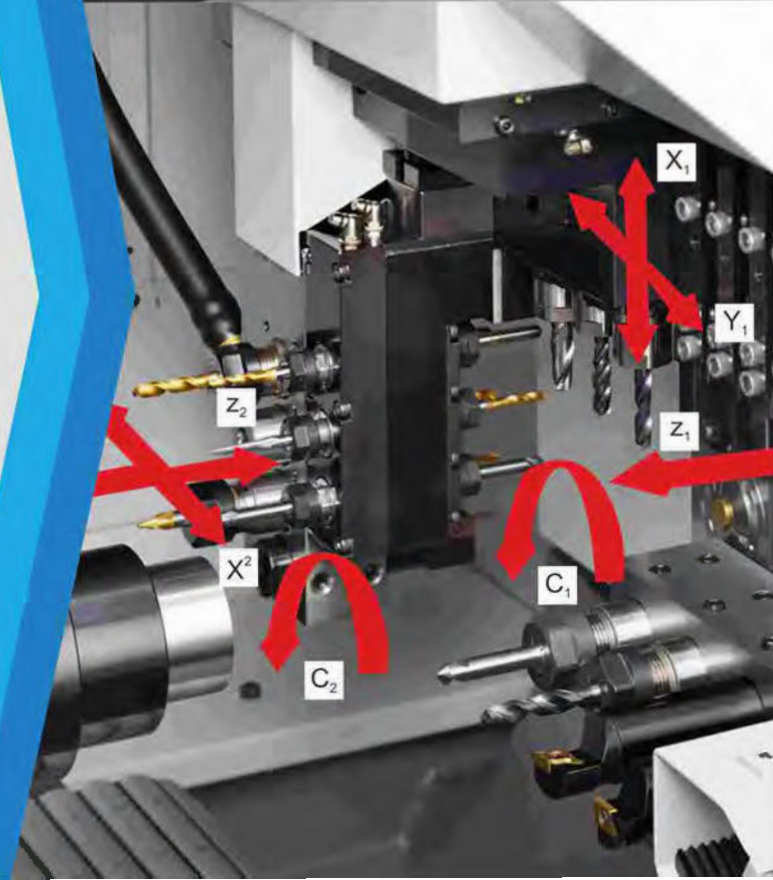
Brand	Japan	OKUMA
Quantity	2 sets(MB-5000H,MB-4000H)	
Precision	$\pm 0.005\text{mm}$	
Axis	3 axis	
Max Capacity	Diameter: $\varnothing 800\text{mm}$	
	Length: 1000mm	
General Material	Aluminum, Carbon Steel, Stainless Steel, Brass, Bronze, Ultra Hard Metal ,Engineering Plastic...	
Apply For	Middle & big volume, Mass Production	

Our Machine Apparatus

Swiss Turning



Machining Capability		
Brand	Japan	CITIZEN, STAR
Quantity	6 sets	
Precision	$\pm 0.005\text{mm}$	
Axis	5 axis	
Max Capacity	Diameter: $\phi 25\text{mm}$	
	Length: 200mm	
General Material	Aluminum, Carbon Steel, Stainless Steel, Brass, Bronze, Ultra Hard Metal ,Engineering Plastic...	
Apply For	Middle & big volume, Mass Production	



NC Turning



Machining Capability			
Brand	Japan	MIYANO	with milling head
	Japan	TAKISAWA	
Quantity	15 sets		
Precision	±0.005mm		
Max Capacity	Diameter:Ø350mm		
	Length:500mm		
General Material	Aluminum, Carbon Steel, Stainless Steel, Brass, Bronze, Ultra Hard Metal, Engineering Plastic.....		
Apply for	Middle & big volume, Mass Production		

CNC Milling



Machining Capability		
Brand	JAPAN	LG MAZARK, OKUMA
	TAIWAN	Perfect JET
Quantity	54 Sets	
Precision	$\pm 0.005\text{mm}$	
Axis	OKUMA 5 Axis, LG MAZARK&Perfect Jet: 3 & 4 Axis	
Max Capacity	(L x W x H) 1600x650x600mm	
General Capacity	(L x W x H) 850x650x650mm	
General Material	Aluminum, Carbon Steel, Stainless Steel, Brass, Bronze, Ultra Hard Metal ,Engineering Plastic...	
Apply For	Mass Production	



Vertical Lathe



Machining Capability

Brand	GOODWAY
Quantity	2 sets
Precision	± 0.005 mm
Axis	3 axis
Max Capacity	Diameter: $\phi 820$ mm Length: 660 mm
General Material	Aluminum, Carbon Steel, Stainless Steel, Brass, Bronze, Ultra Hard Metal, Engineering Plastic...
Apply For	Special for large vertical object, large diameter.



High Speed Tapping Machine



Machining Capability

Brand	Japan	BROTHER, OKUMA
Quantity	12 sets	
Precision	$\pm 0.005\text{mm}$, Max 25,000 RPM	
Axis	3 axis	
Max Capacity	Length: 600mm x 400mm	
General Material	Thin aluminum and engineering plastic material Mainly for camera inspection, aluminum case, plastic housing	
Apply For	Middle & Big volume, Mass Production	



Show Room

Optical Parts



Al6061 Matt Anodize

Automation Parts



Al7075 Anodize Any Color

Semi - Conductor Parts



Al7075 Nickel Plated

Automobile Parts



AISI 12L14 Zinc Plated

Medical Parts



Titanium, PEEK German
ENSINGER

New Energy Parts



SUS303 Mirror Polish

Prototype Production System

Machine Type	Quantity	Original	Precision
Manual Lathing	10	China	$\pm 0.01\text{mm}$
Manual Milling	14	China	$\pm 0.01\text{mm}$
Precision Wire EDM	2	Switzerland (AgieCharmilles)	Min $\phi 0.07\text{mm}$ wire $\pm 0.002\text{mm}$
Fast Wire	6	China	$\pm 0.05\text{mm}$
Cylindrical Grinding	3	Japan	$\pm 0.005\text{mm}$
Flatness Grinding	10	Japan	$\pm 0.005\text{mm}$
EDM	5	Japan	$\pm 0.02\text{mm}$
Ultrasonic Cleaning	4	Japan	
Tapping	6	Japan	$\pm 0.02\text{mm}$
Static surface discharge	2	Japan	Ra0.2
Total Machine	62		



Manual Lathing



Manual Milling



ID/OD Grinding



Flatness Grinding



Precision Wire EDM



Ultrasonic Cleaning

Engineering Support



- Analysis of the production process
- Cost Calculation
- Programmed
- Technical Support
- Improvement Projects
- Design
- Innovation
- APQP & FMEA & PPAP Preparations



Quality Control



IQC

Raw Material Inspection

Visual inspection
Dimensional inspection
Material inspection
Function tests

Material proof
Mechanical performance report
3.1 Report



IPQC

Process Control

Staff Self-inspection
To confirm first items
Process inspection
SPC control



Process output inspection report
MSA

Final Inspection

1. Temperature and humidity control environment regularly check, MSA
2. Certified control system ISO9001: 2008; TS16949; TS13485 & AS9100 (in preparation)
- 3 Detection scheme

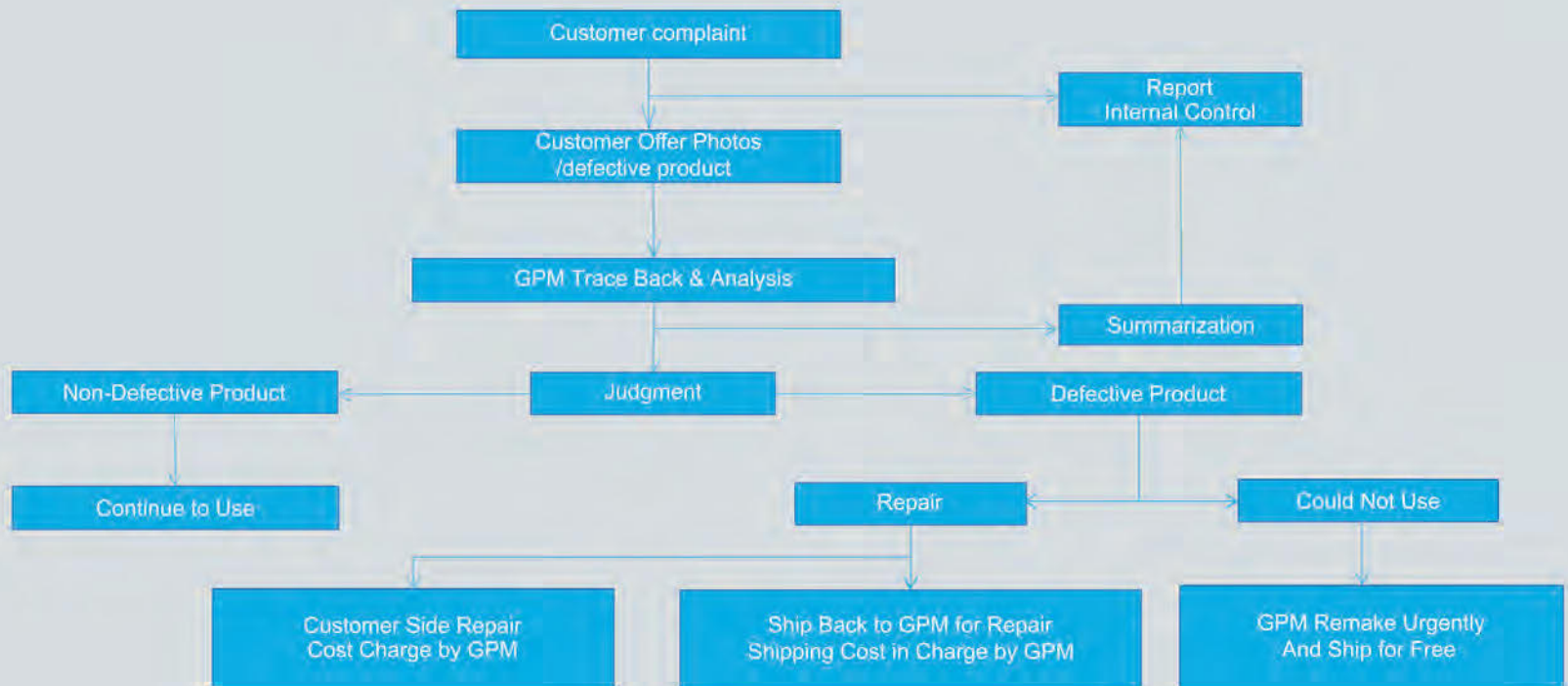
	Prototype	Mass Production		Measuring Tools
Category Amount	1~50	51~5000	>5000	
Exterior	100%	100%	100%	Visual, magnifying glass
Regular Dimensions	100%	AQL 0.65	AQL 1.0	Calipers, micrometer
Important Dimensions	100%	100%	100%	Altimeter, CMM, OMM
Finishing Holes	100%	100%	100%	PIN GAUGE
Screw Thread	100%	100%	100%	THREAD GAUGE
Roughness	100%	AQL 0.65	AQL 1.0	Contrast block, roughness instrument
Hardness	100%	AQL 0.65	AQL 1.0	HRC, HV durometer
Plating Function	100%	AQL 0.65	AQL 1.0	Adhesion Test Procedure
Film Thickness	100%	AQL 0.65	AQL 1.0	Thickness meter

Quality Objectives
 Prototype Zero Defective
 Mass production PPM <40

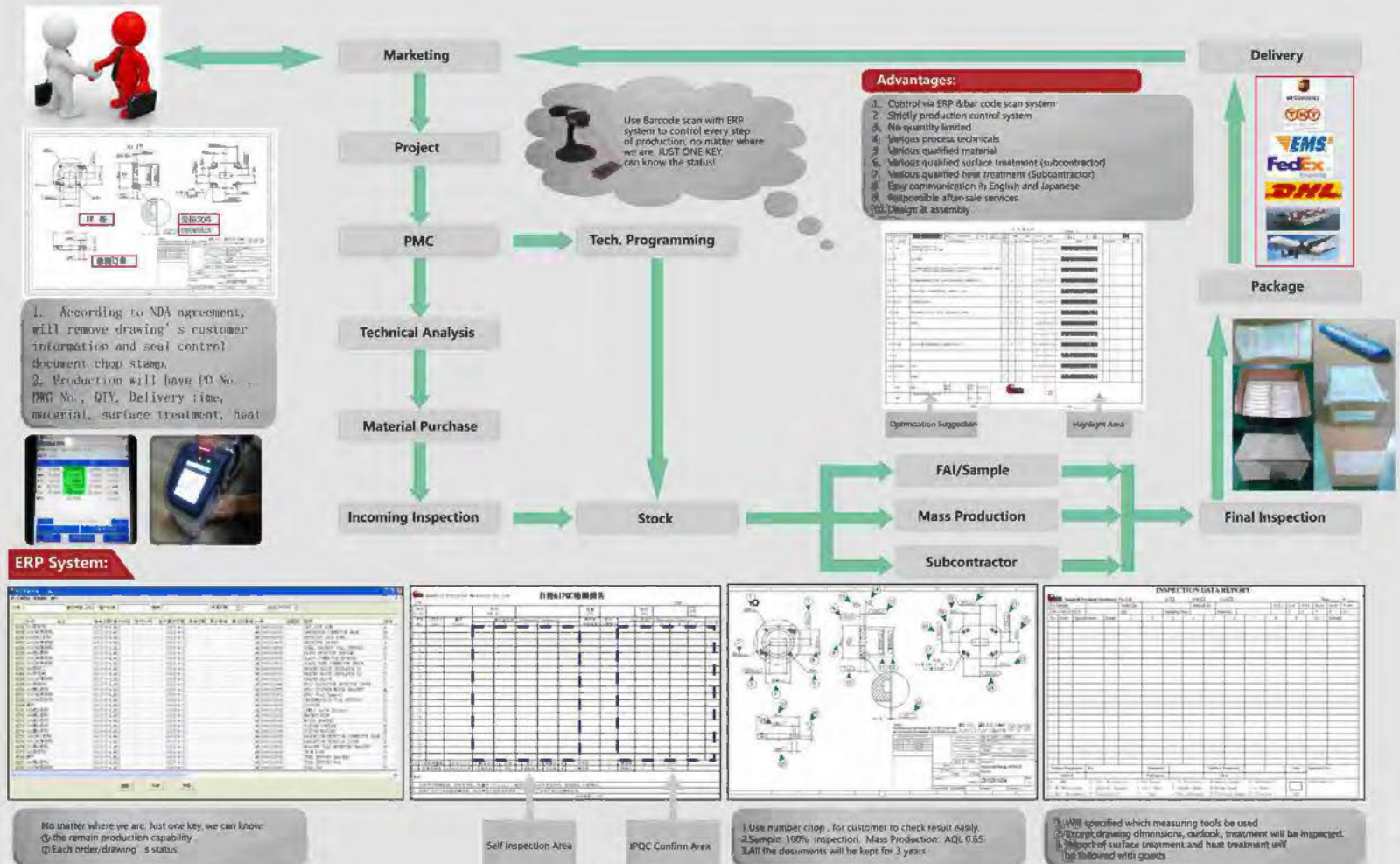


After Sale Service

Any complaint will be responded with 24 hours and deal with below procedure.



Flow Chart of Production





GPM Is Your Prederably Selected by

Goodwill Precision Machinery Co., Ltd
东莞市兆恒机械有限公司



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