

ZHEJIANG V-BRIGHT AUTO FITTINGS CO.,LTD.

Since 2008



Factory Location: Rui'an, Wenzhou City, Zhejiang Province, China

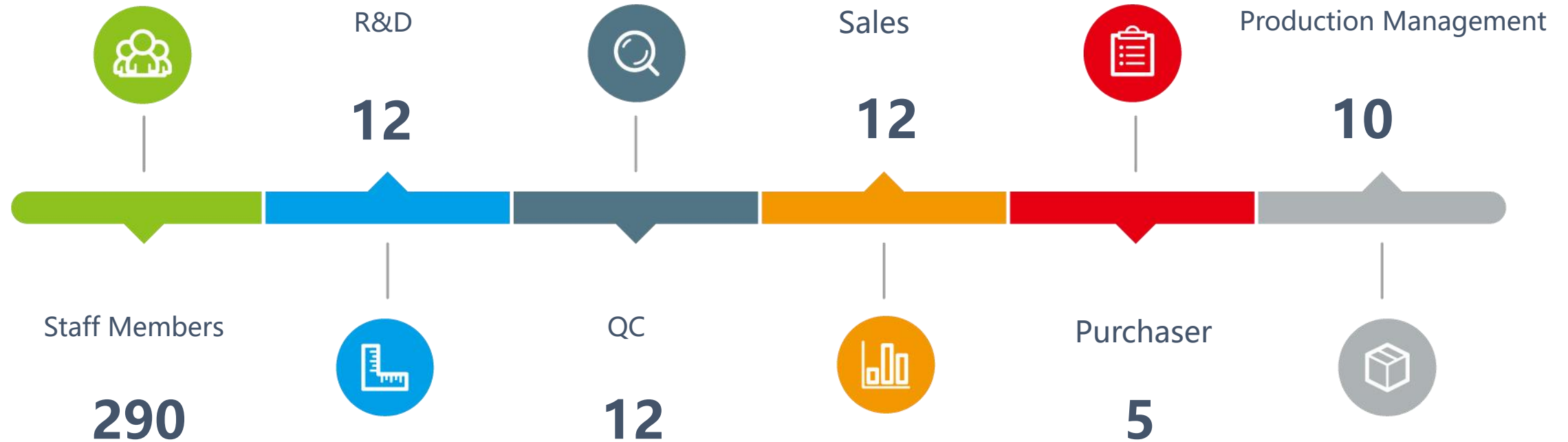


FACTORY BUILDING ARE

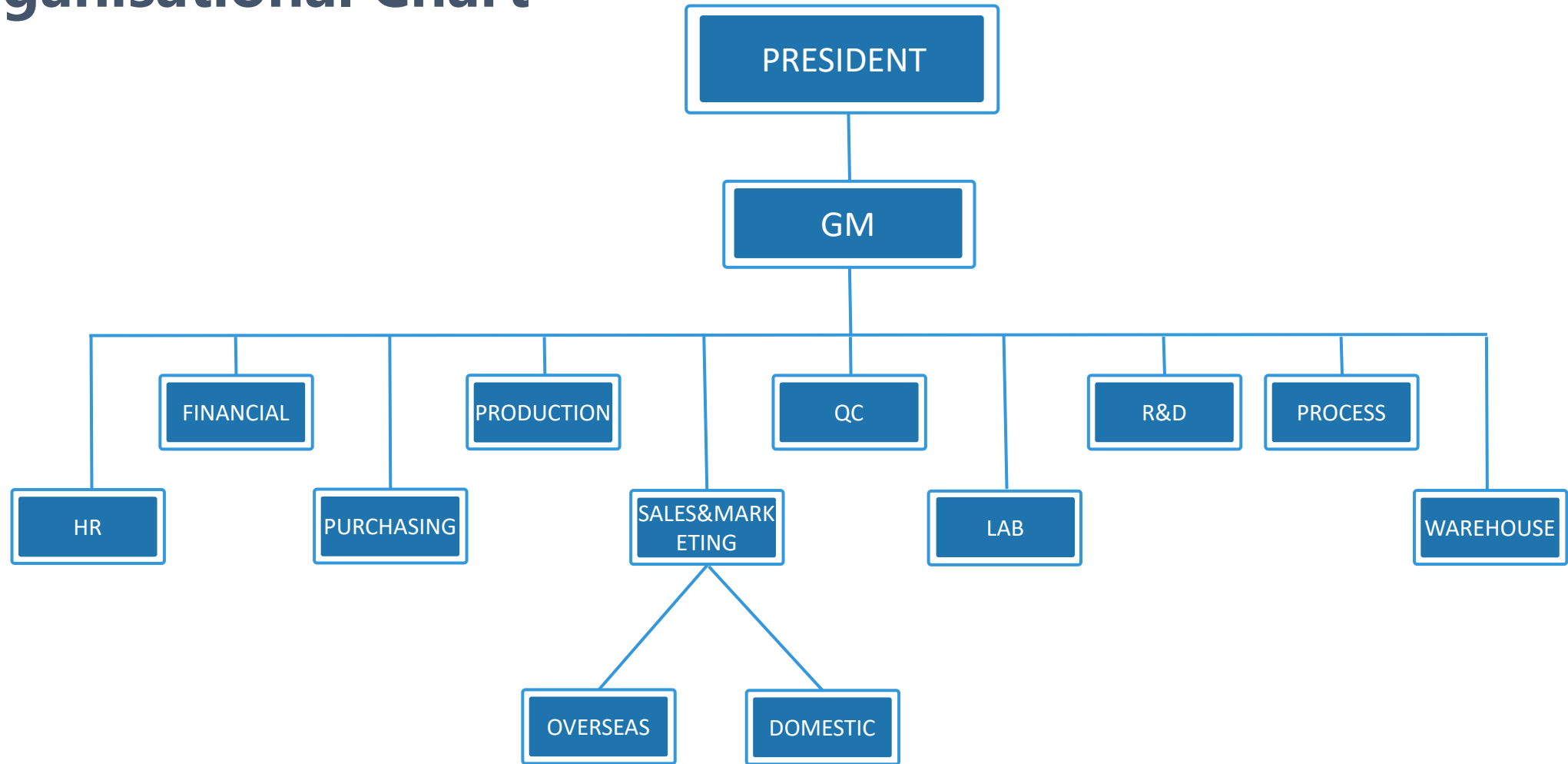
13,000 m²

NEW PLANT Complete in 2024

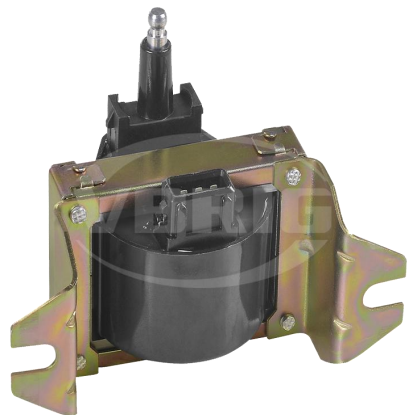
40,000m²



Organisational Chart



Product Categories



Distributor



Pack



Rail



COP



For Passenger Cars



For Marine



For Commercial Vehicle



For Motorcycle



**REJECTION
RATE**

<0.5%

**NEW RELEASE
(ITEM)**

5-10/M

**ANNUAL
CAPACITY
2024 (pcs)**

9,000,000

**COILS RANGE
2024 (SKU)**

1000+

100% TESTED BEFORE DELIVERY

**LEAD TIME
(days)**

15-60

**QUALITY
WARRANTY
(months)**

15

**MOQ/MOA
(pcs/usd)**

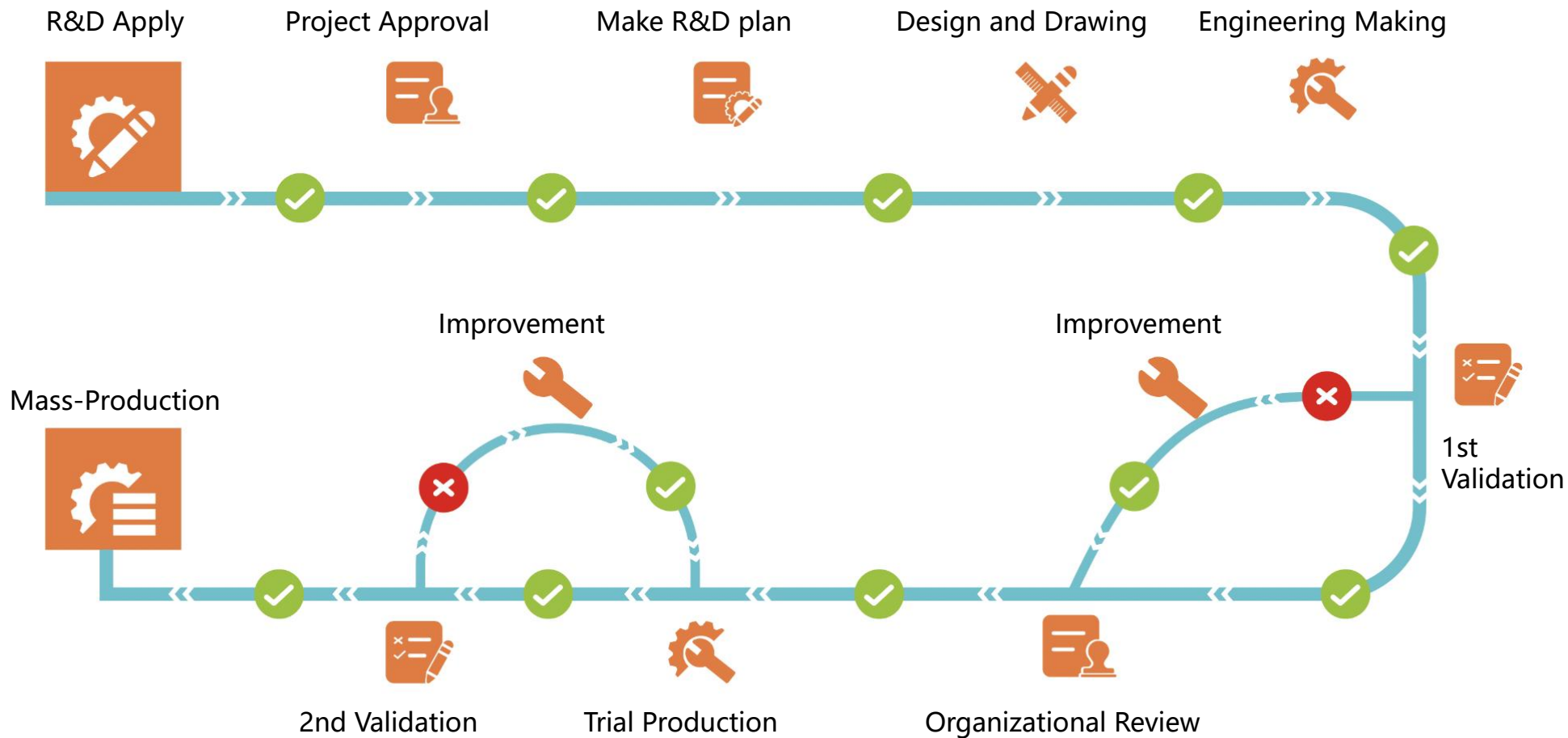
50/\$5000

**NEW ITEMS
DEVELOPMENT
(days)**

90-180

Company Outputs and Sales Volumes from 2020 to 2023

YIELD (pcs)	YEAR	SALES(US\$)
4,270,000	2020	16,455,000
5, 120,000	2021	22,788,000
5,630, 000	2022	23,614,000
7,320,000	2023	30,698,000



Development Process

Standards:
Parameters to
 $OE < \pm 10\%$

Lifetime Validation:
Twice

**New Releases:
50-100
items/year**



Powered Thermal Shock Chamber

(Vötsch from Germany)

For OE and OES
customers
especially

**Test condition can
be customized**



High-Temp. Ignition System

(Espec from Japan)

Temp.	Coils (5 pcs)	Time
125°C	Gasoline	240H
130°C	Gasline Pencil	240H
130°C	Natural Gas	240H
140°C	Natural Gas Pencil	240H



Thermal Shock Chamber

(Vötsch from Germany)

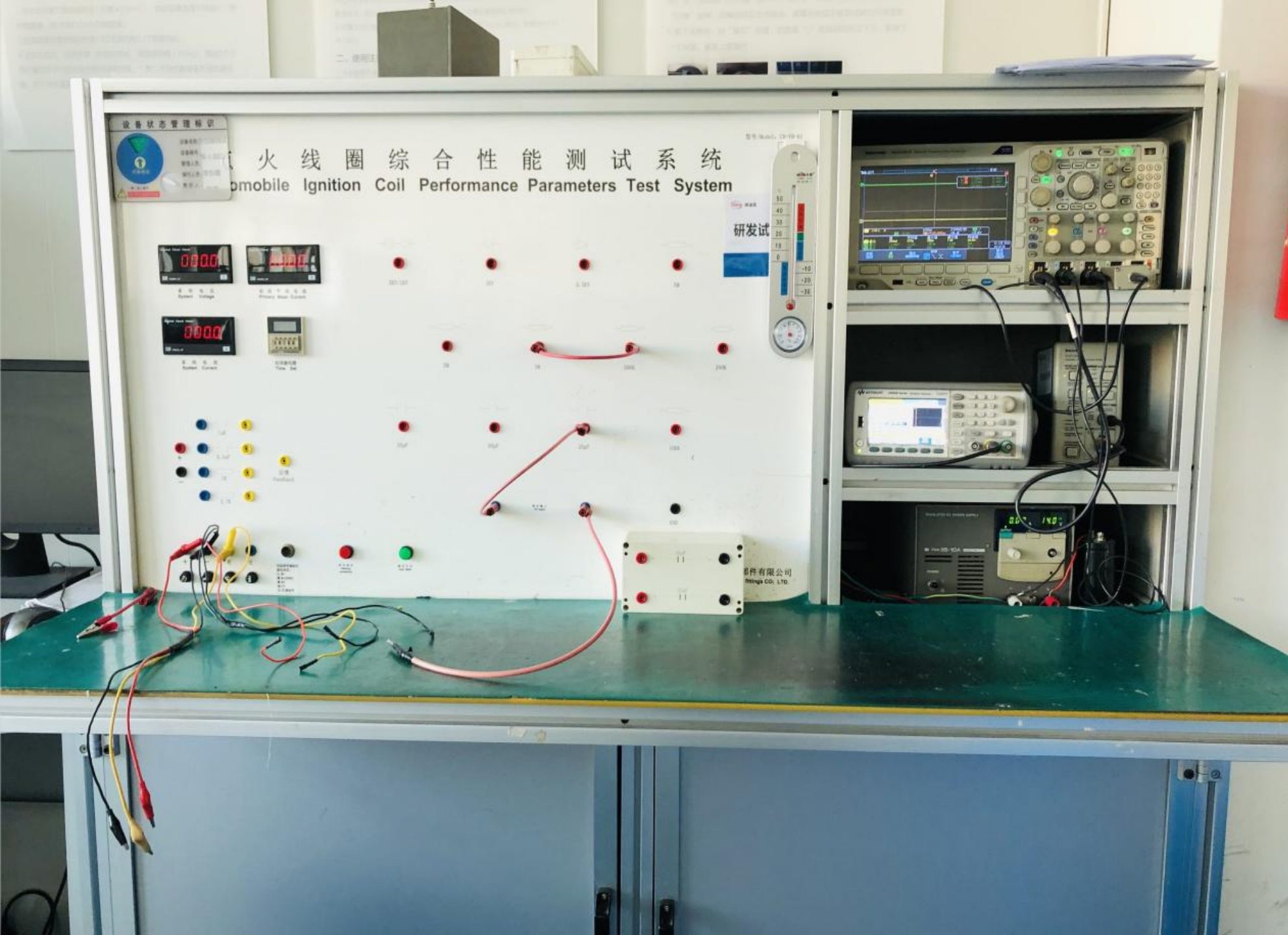
Temp.	Coil (5 pcs)	Time
+130°C +125°C	Pencil Others	2H
Transfer	All Type	5s
-40°C	All Type	2H
Transfer	All Type	5s
Cycles: 30, Total 120 H		



Open Load Test

V-BRIGHT TEST STANDARDS

Voltage	Duration
35KV	≥30mins



Performance Test Machine

Parameters Inspection before and after above life time validation tests.

Test Report

	<p>报告编号(Report No.): VB-9167-20201121 备注: C类常规试验</p>
<h2 style="text-align: center;">检 验 报 告</h2> <p style="text-align: center;">TEST REPORT</p> <p style="text-align: center;">产品名称 点火线圈总成</p> <p style="text-align: center;">Product Name: Ignition-coil</p> <p style="text-align: center;">本公司编号 (Company No.): VB-9167</p>	
<div style="text-align: center;"></div>	
<p style="text-align: center;">编辑Written By: 黄亮璋</p> <p style="text-align: center;">日期Date: 20230220</p> <p style="text-align: center;">审核Checked: 徐斌</p> <p style="text-align: center;">日期Date: 20230220</p>	
<p style="text-align: center;">浙江辉波汽车零部件有限公司</p> <p style="text-align: center;">Zhejiang V-Bright auto fittings Co.,Ltd</p>	


<p>试验地点: 辉波汽车 Test Place: VBRIG TEL</p>
<p style="text-align: center;">实验项目 TEST ITEM</p> <p style="text-align: center;">试验耐久 Durability Life</p>
<p style="text-align: center;">冷热冲击 Thermal Shock</p>
<p style="text-align: center;">安全开盖 Open Second</p>

		浙江辉波普汽车零件有限公司 Zhejiang V-Right Auto Fittings Co., Ltd.	
检 验 报 告 TEST REPORT			
型号 Model :		VB-9167	
数量 Quantity :		15	
客户名称/部门 (Prepared/Department):		长安/研发部	
报告编号 No.:		20230208	
检测日期 Test date :		2023/02/08 至 2023/02/18	

序号 No.	试验项目 TEST ITEM	样品编号 No. of Sample	耐久年限 Duration (time/h)	通过/未通过 Pass/Failed
1	测试耐久 Durability Life Test	20230208-1a 20230208-3a	240h	通过 Pass
2	冷热冲击 Thermal Shock	20230208-4a 20230208-10a	120h	通过 Pass

浙江赛波汽车零部件有限公司
Zhejiang V-Bright Auto Fittings Co., Ltd.

检 验 报 告

TEST REPORT

客户 Code :	VS-91-67
规格 / Specification :	IS
客户代理人/部门 /Represent/Department:	肖兵/研发部
规格名称 /Name :	20230108
检测项目 /Test item :	20230108-20230216

冷热冲击 Thermal Shock

试验事件 Test Conditions

试验程序 Test Cycle: 40℃, 2h+125℃, 2h-20℃ 循环时间 / transition time : 5.30秒 / Sec

Endurance:	总测 30个循环(Cycles)
PT Test Duration:	120*47 (hours)
总 测 个 数 / Total samples:	20230108-20230108-15W
Test Sample Size:	5 Pcs
PT Test/Finish Date:	20230109-20230214

试验程序的 性能参数的比较见附件。

Performance parameter at per-and post-test on data list.

开 关 试 验 Open Secondary

试验条件 Test Conditions


Secondary voltage:	336VAC, 50Hz
PT Test Duration:	0.5*47 hours
总 测 个 数 / Total samples:	20230108-20230108-15W
Test Sample Size:	5 Pcs
PT Test/Finish Date:	20230109-20230209

试验程序的 性能参数的比较见附件。

Performance parameter at per-and post-test on data list.

Serial Volume	备注
34.0	
34.1	
34.2	
34.3	
34.4	
34.5	
34.6	

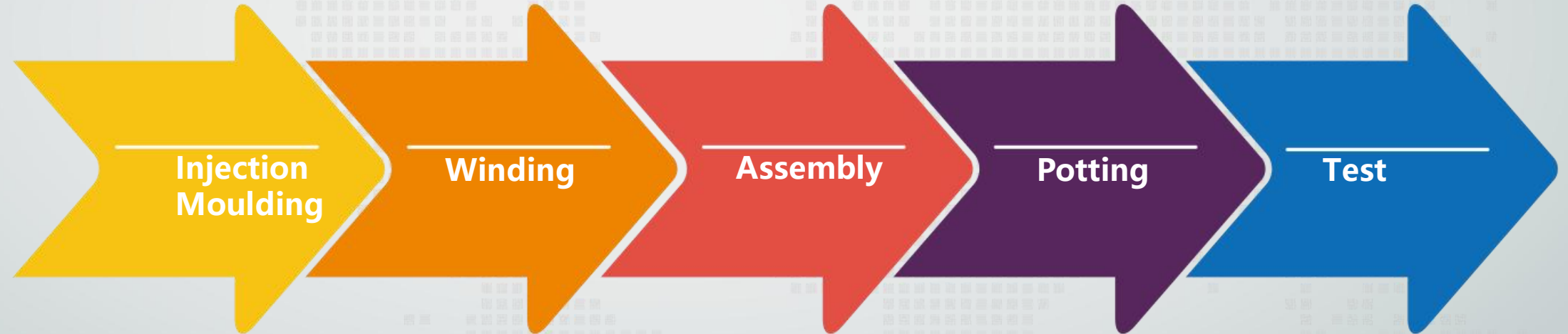
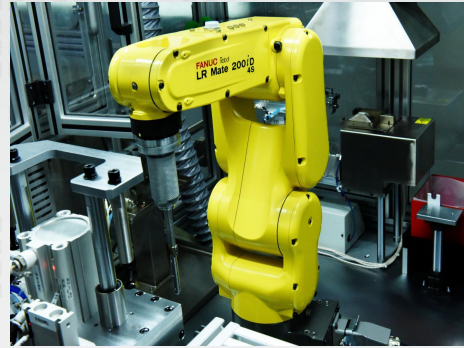
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Secondary	2022/08-11~2022/08-18	0.5%																														
测试条件 Test Conditions																																
ry Voltage:	14.0±0.2V																															
ary Harness Resistance:	150 mΩ±50 mΩ																															
2.0mΩ																																
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Room Temperature:	125℃																															
Test Time Duration:	240小时 (average, 50Hz)																															
Sample No. of sample	2022/02/01~2022/02/05																															
试样 Test Sample Size:	5 Pcs																															
示波电压 Spark Voltage:	20V±25V																															
20V Spark/Firmen Size:	2022/02/01~2022/02/18																															
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		浙江群英汽车零部件有限公司 Zhejiang V-Brigit Auto Parts Co., Ltd.							
		试验数据 TEST DATA							
试验地点: 明道赛车实验室 Test Places: VBRIG TEST ROOM									
试验前后带温下性能参数对比 PRE-AND POST-TEST DATA									
编号 No. of sample	测试 State	初始电阻率 (mΩ) Primary resistance	初始电感 (mH) Primary inductance	交流电阻率 (mΩ) Secondary resistance	交流电感 (mH) Secondary inductance	老化时间 Time (years)	交流电阻率 (mΩ) Secondary resistance	交流电感 (mH) Secondary inductance	备注 Remark
202206- 8-08	初始 initial	/	/	/	5.04 19%	±17.0	±31.0		
	交流电阻 post-res	/	/	/	5.04 19%	19.4	34.6		
	交流电感 post-ind	/	/	/	5.16 19%	19.4	34.4		
202206- 8-78	初始 initial	/	/	/	4.96 19%	19.4	34.6		
	交流电阻 post-res	/	/	/	5.08 19%	19.4	34.0		
	交流电感 post-ind	/	/	/	5.00 19%	19.0	35.4		
202206- 8-88	初始 initial	/	/	/	4.80 19%	19.4	34.0		
	交流电阻 post-res	/	/	/	4.96 19%	19.0	34.6		
	交流电感 post-ind	/	/	/	5.16 19%	19.4	34.2		
202206- 8-04	初始 initial	/	/	/	4.96 19%	19.0	34.2		
	交流电阻 post-res	/	/	/	5.04 19%	19.4	33.8		
	交流电感 post-ind	/	/	/	5.04 19%	19.4	34.8		
202206- 8-114	初始 initial	/	/	/	5.08 19%	19.6	34.2		
	交流电阻 post-res	/	/	/	5.00 19%	19.0	35.4		
	交流电感 post-ind	/	/	/	5.00 19%	19.6	35.2		
202206- 8-124	初始 initial	/	/	/	5.04 19%	19.4	34.6		
	交流电阻 post-res	/	/	/	5.00 20%	19.0	35.6		
	交流电感 post-ind	/	/	/	4.80 19%	19.3	34.8		
202206- 8-144	初始 initial	/	/	/	4.78 19%	19.2	34.6		
	交流电阻 post-res	/	/	/	4.88 19%	19.6	34.8		
	交流电感 post-ind	/	/	/	4.84 19%	19.4	34.4		

All the test results are documented. When accepting goods for quality in production, our employees study the results of the tests carried out and, if in doubt, conduct additional testing under the control of an expanded commission. Confirmed test results are archived and by them we can track the quality of virtually every detail in the event of non-standard cases.

Manufacturing Processes



Raw Materials / Main Suppliers



**Plastic
Particle**

 **BASF**
We create chemistry
Asahi**KASEI**



**Enamelled
Wire**

ELEKTRISOLA



Epoxy Resin

 **KYOCERA**



**Differential Scanning
Calorimetry**



**HV Resistance
Test Machines**



Viscosity Tester

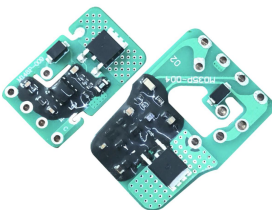
Raw Materials / Main Suppliers



Iron Core



Rubber Boot



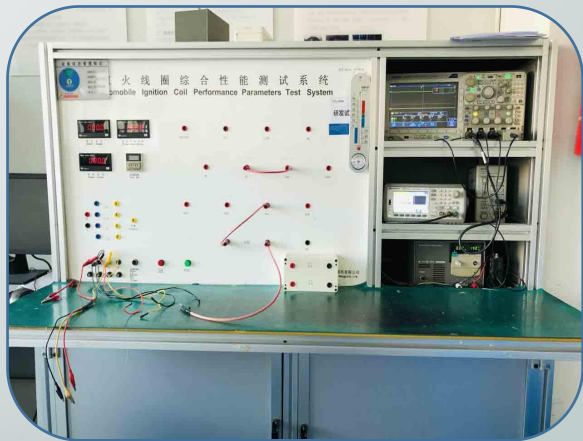
Module



Iron Loss Tester



HV Resistance Test Machines



Self-Made Test Machine

Quality Control

Our products are high-graded, because we:

Choose the best raw materials

Test our products using peculiar test machines(From Gemany,Japan,etc)

Use self-design toolings

Make products with allowance for severe driving conditions

The finished items will undergo a series of special tests. Each test cycle takes several days and simulates a mileage of several thousand kilometers. The finished items are tested to failure to diagnose critical loads and undergo long-term tests to simulate road conditions in aggressive environments.

浙江辉波蕾汽车零部件有限公司
ZHEJIANG V-BRIGHT AUTO FITTINGS CO., LTD
材料检验报告

浙江辉波蕾汽车零部件有限公司
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材料检验报告

材料来料试验申请单

产品名称	料号	来源	日期			
95960高压油管	90807-045	耐时	2023.2.4			
采购单号	批号	批号	检验数量			
3310-22220704	100		4			
生产时间	特殊说明					
检验内容和数据						
检验项目	标准值	1	2	3	4	5
耐压测试	电压	28	28	28	28	
	时间	60	60	60	60	
	结论	ok	ok	ok	ok	
耐温测试	200或250℃, 烘8H后表面无开裂, 折弯无断裂	200	200	200	200	
	时间	8	8	8	8	
	结论	ok	ok	ok	ok	
TG点测试	TG点					
	结论					
表磁测试	160℃烘8H	试验前	试验后	试验前	试验后	试验前
	高温前后	试验前	试验后	试验前	试验后	试验前
	超差10%内	试验前	试验后	试验前	试验后	试验前
树脂粘度	粘度					
	温度					
	结论					
模块测试						
结论	ok					
备注						
检验员	张华					
审核						

100% Quality Control During Mass Production



Injection Workshop



Assembly Workshop



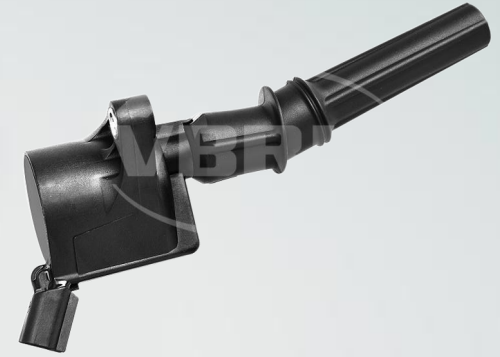
Winding Workshop



Potting Workshop

Why V-Bright?

- Designed to provide years of reliable service
- Wild variety to choose from
- Manufacture from premium materials
- Lower fuel consumption and reduce exhaust emissions
- Excellent mechanical stability and corrosion protection
- Easy to replace benefiting from the exact OE fit design
- Affordable prices



FORD F-150 4.6L / 5.4L V8
(1998-2007)



ISUZU ASCENDER 4.2L V6 (2003-/-)

Exhibition 2024



- Tokyo Auto Aftermarket Expo:
2024.03.05 - 2024.03.07
- Poland MTP Expo:
2024.04.04 - 2024.04.07
- Jakarta INAPA Expo:
2024.05.15 - 2024.05.17
-
-
-
-

THANKS FOR WATCHING

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Facebook: V-Bright Ignition Coil