

# IMPULSE BURST TEST MACHINE

Testing hoses for durability, fatigue  
estimated life cycles.



## Tests Include:

- IMPULSE
- BURST
- VIBRATION
- PRESSURE

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# SPECIFICATION

## IMPULSE BURST TEST MACHINE

### COMPLIANCE

Automotive hose test stand is a testing instrument to determine durability, fatigue and cyclic test of hoses assembly as per the standard of DIN 73411-2, 3.10-3.12

### APPLICATIONS

Impulse/cycling pressure, burst test for engineering hydraulic hoses & hose assemblies, automobile hoses & aviation hose assemblies and/or fittings and couplings and other pressure-containing parts.

### TECHNICAL DATA

ITEM	DESCRIPTION	SPECIFICATION
IMPULSE TEST	Impulse Testing Pressure Range	0-5 bar & 0.5-5 bar & 1-5 bar
	Test Medium	Glysantin G48 by BASF with water/hydraulic oil
	Impulse Frequency	0 ~0.5Hz *(programmable)
	Rate of Pressure	>5bar/s
	Ambient Temperature	Room temp~155°C (0/-5)
	Test Medium Temperature	Room temp~135°C (0/-5)
	Test Pieces	2-5pcs at a time for impulse
	Pressurising Mode	Automatic control
BURST TEST With diametric expansion test	Burst pressure	Max. 30 bar
	Test medium	Glysantin G48 by BASF with water/hydraulic oil
	Ambient temperature	Room temp
	Test medium temperature	Room temp
	Test pieces	1
	Pressure rising speed	0.5bar±0.2bar/s
	Pressurising mode	Automatic control
	Diametric expansion Measure method	Manual by strap (200mm OD) -provide spares
	Diametric expansion Test pressure	3 bar
	Diametric expansion Test pieces	1
Vibration test (Mechanical oscillation) along with impulse test	Test method	Extended strap
	Vibration amplitude	±1mm
	Vibration frequency	20Hz
	Max load	60KG
	Vibration direction	Vertical

# FEATURES & BENEFITS

## IMPULSE BURST TEST MACHINE



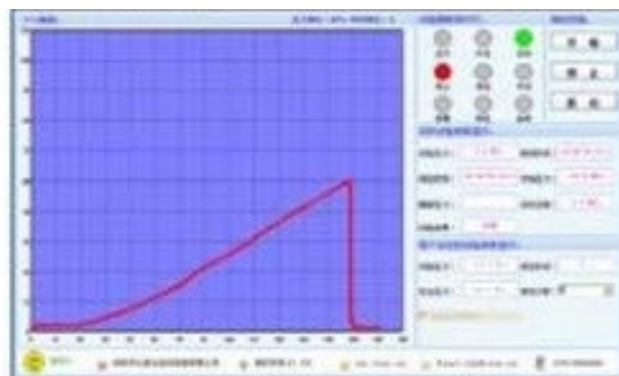
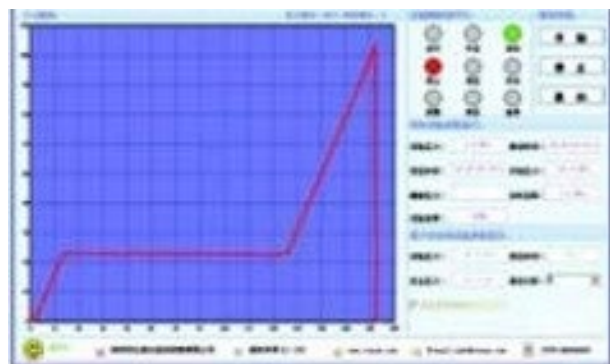
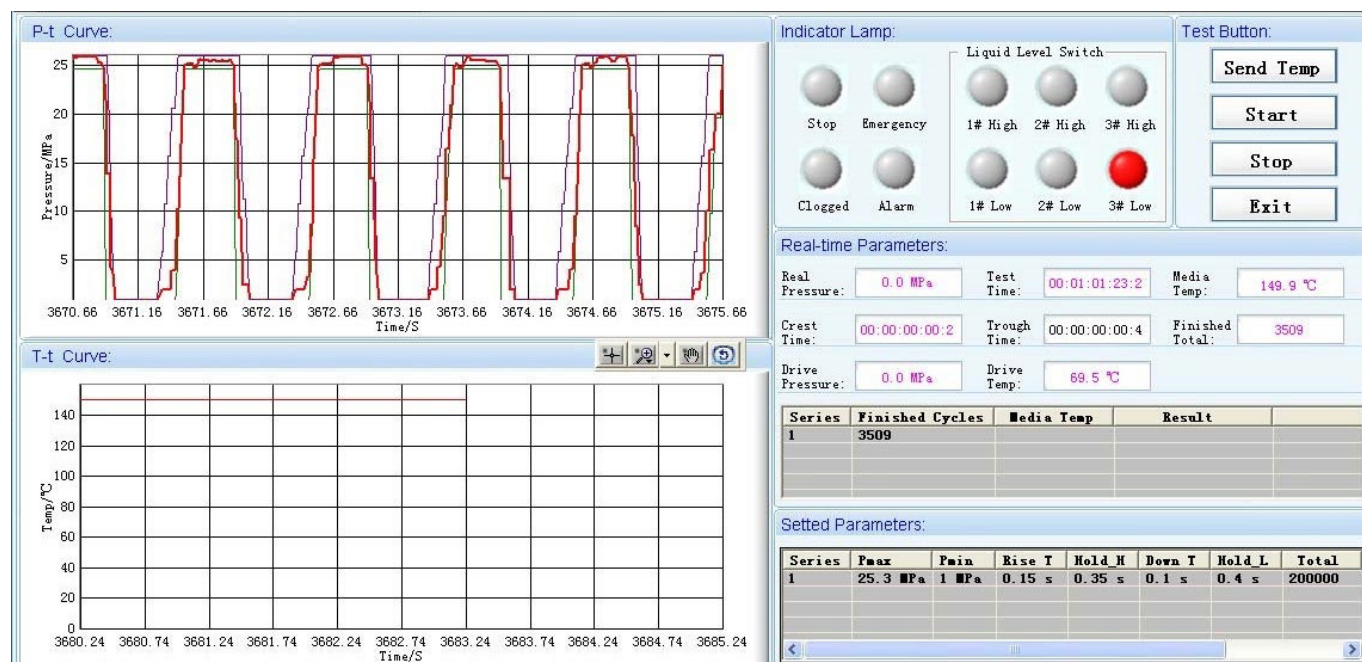
### FEATURES & BENEFITS

- Multi functions test system designed as per specific needs.
- Automated test stand with high speed data acquisition system;
- History screen and real-time display of pressure-time and time-temperature curves.
- Test data saved automatically even in the case of emergency or power down happens accidentally.
- Test report exported upon request and allows printed out for further analysis.
- User configuration to impulse frequency and output pressure as per actual needs.
- Closed circulating system for test medium to make sure the temperature and recycling efficiency needs.
- Multi pieces of hose can be tested at the same time, and alarm devices are employed in case of leaking happened to one of those pieces.
- 3 temp sensors will be provided for impulse test and should be recorded in the software.
- Calibration certificates for pressure gauge, pressure sensor, temperature sensor and flow meter will be provided.



# SOFTWARE INTERFACE

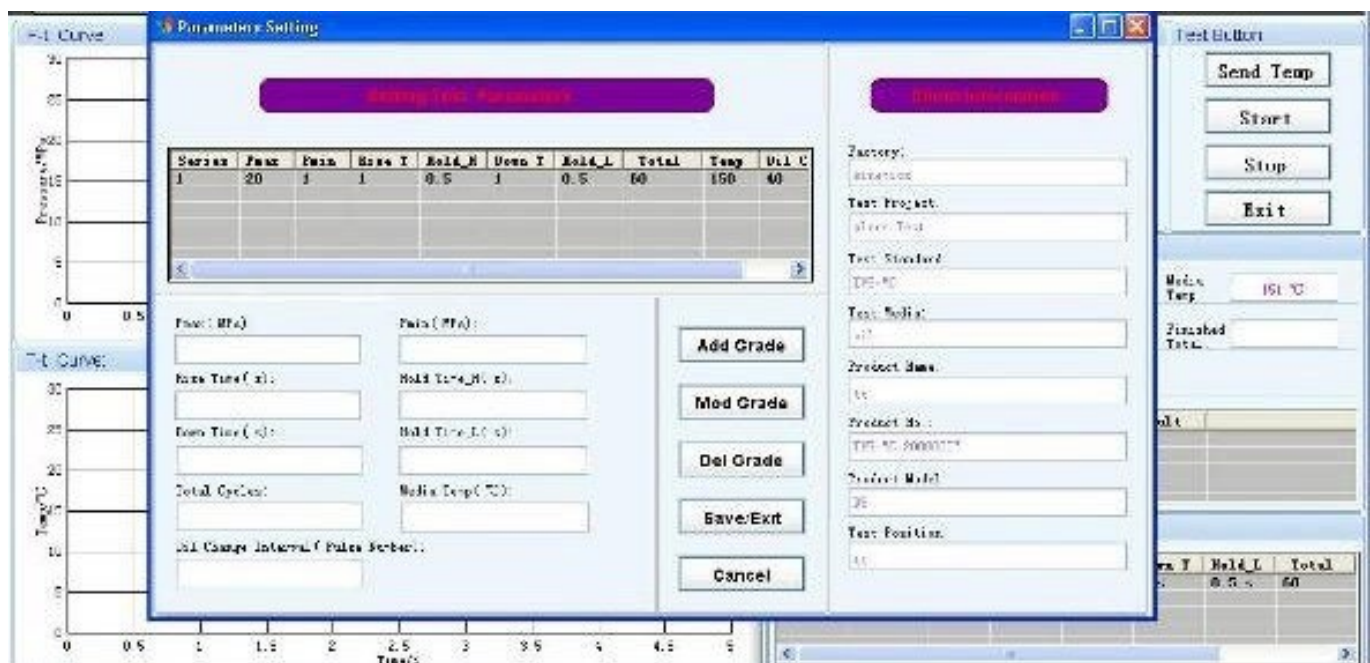
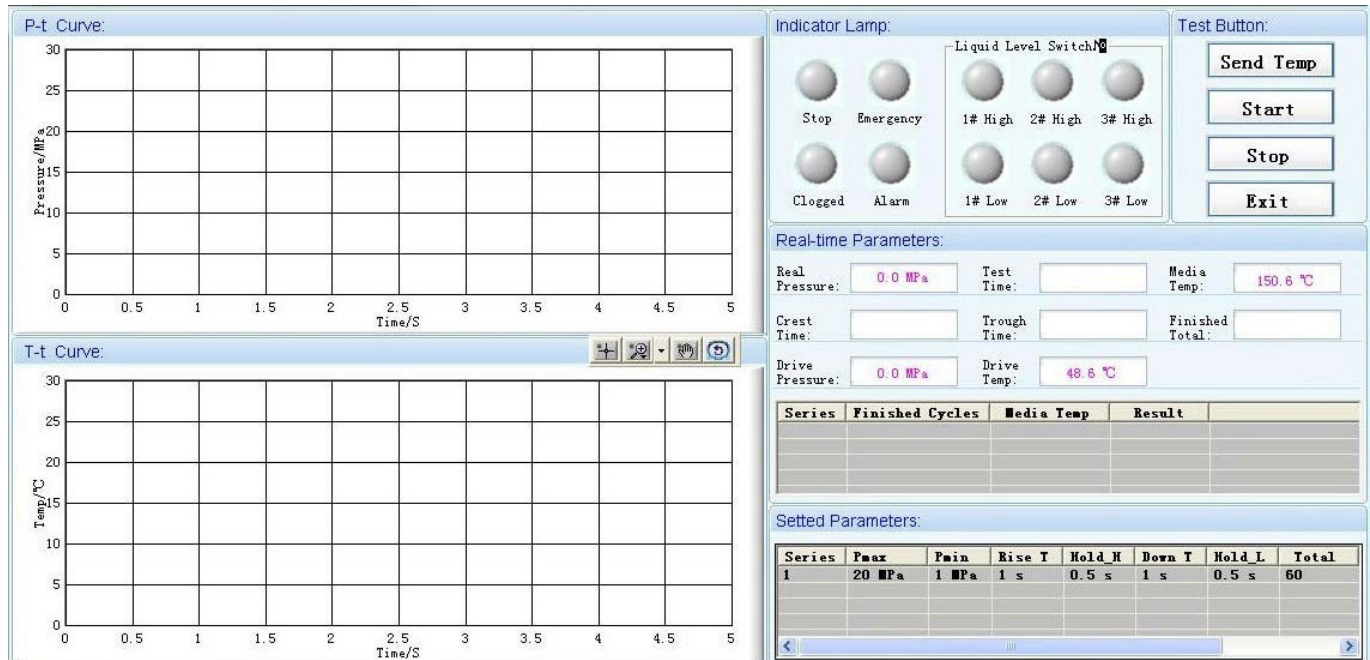
## IMPULSE BURST TEST MACHINE





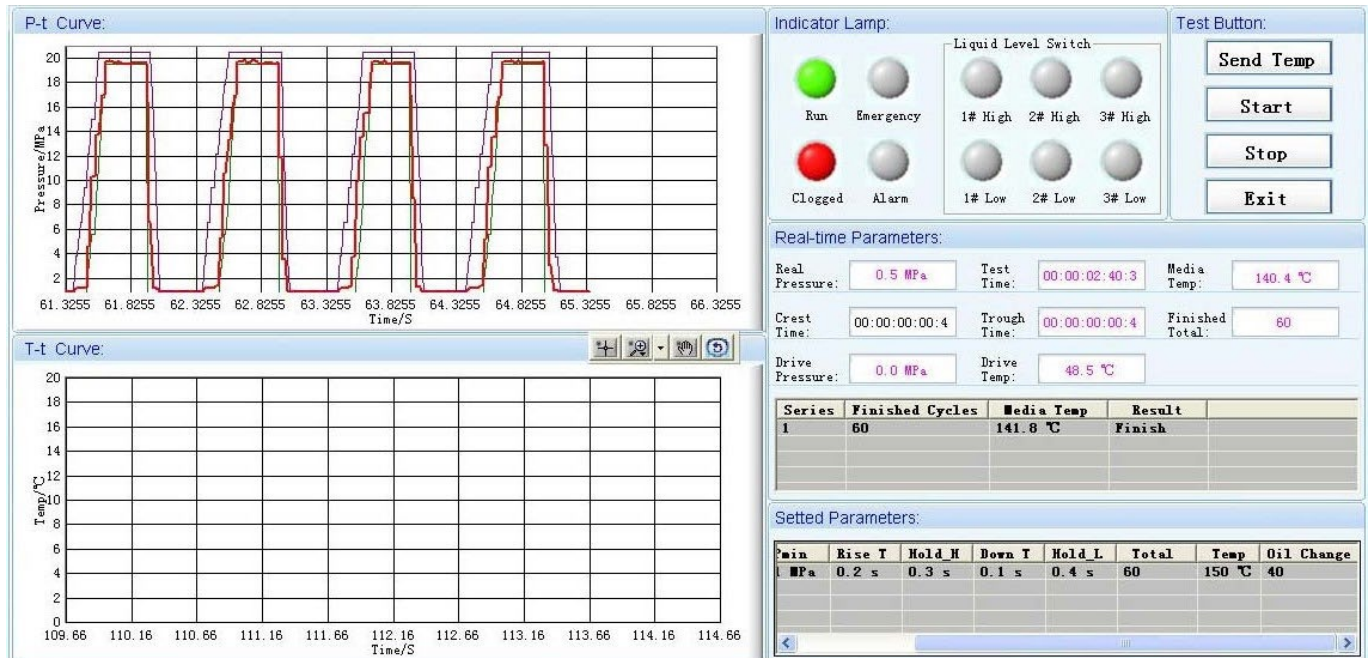
# AUTO CONTROL

## IMPULSE BURST TEST MACHINE



# AUTO CONTROL

## IMPULSE BURST TEST MACHINE



## TEST REPORTS

When the test is finished, the report will be generated automatically in accordance with the date and time and reported as shown on the next page.



# REPORTS

## IMPULSE BURST TEST MACHINE

### Impulse Test Report(ISO 6803)

Report NO.

Factory

IVS Tester Co.

Test Project

pulse Test

Test  
Standard

ISO 65803

Test Media

oil

Test  
Position

tt

Product  
Name

HIZLANLAR

Product  
No.

IVS-MC-20080827

Product  
Model

D5

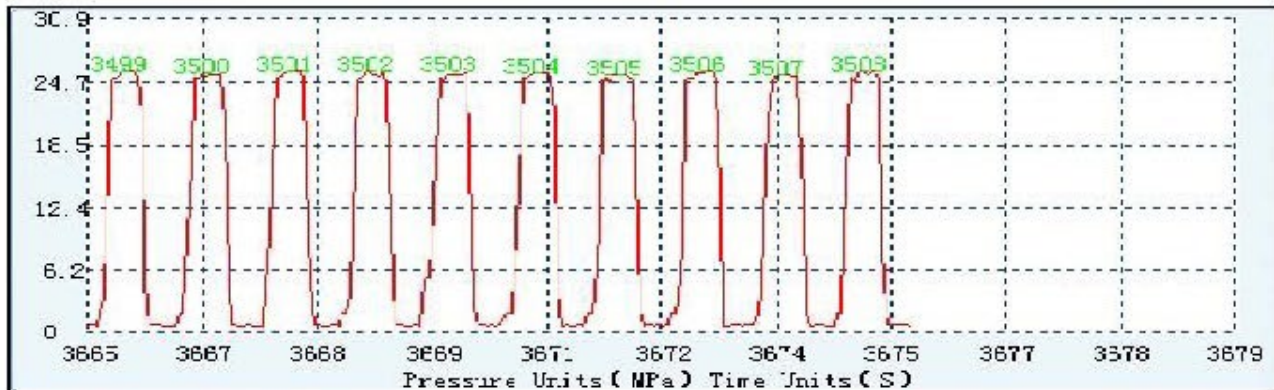
#### Test Process and Result

Test Series	Pmax (MPa)	Pmin (MPa)	RiseT (s)	HoldT_H (s)	DownT (s)	HoldT_L (s)	Total Cycles	TEMP (°C)	Finished Cycles	Remarks
1	25.3	1	0.2	2.4	0.1	2.4	200000	±50	3509	\

#### Pressure (Mpa)-Time (s) Curves

Test Date

2021/07/20



Conclusion

Tab/Date

Check/  
Date

Approve/  
Date





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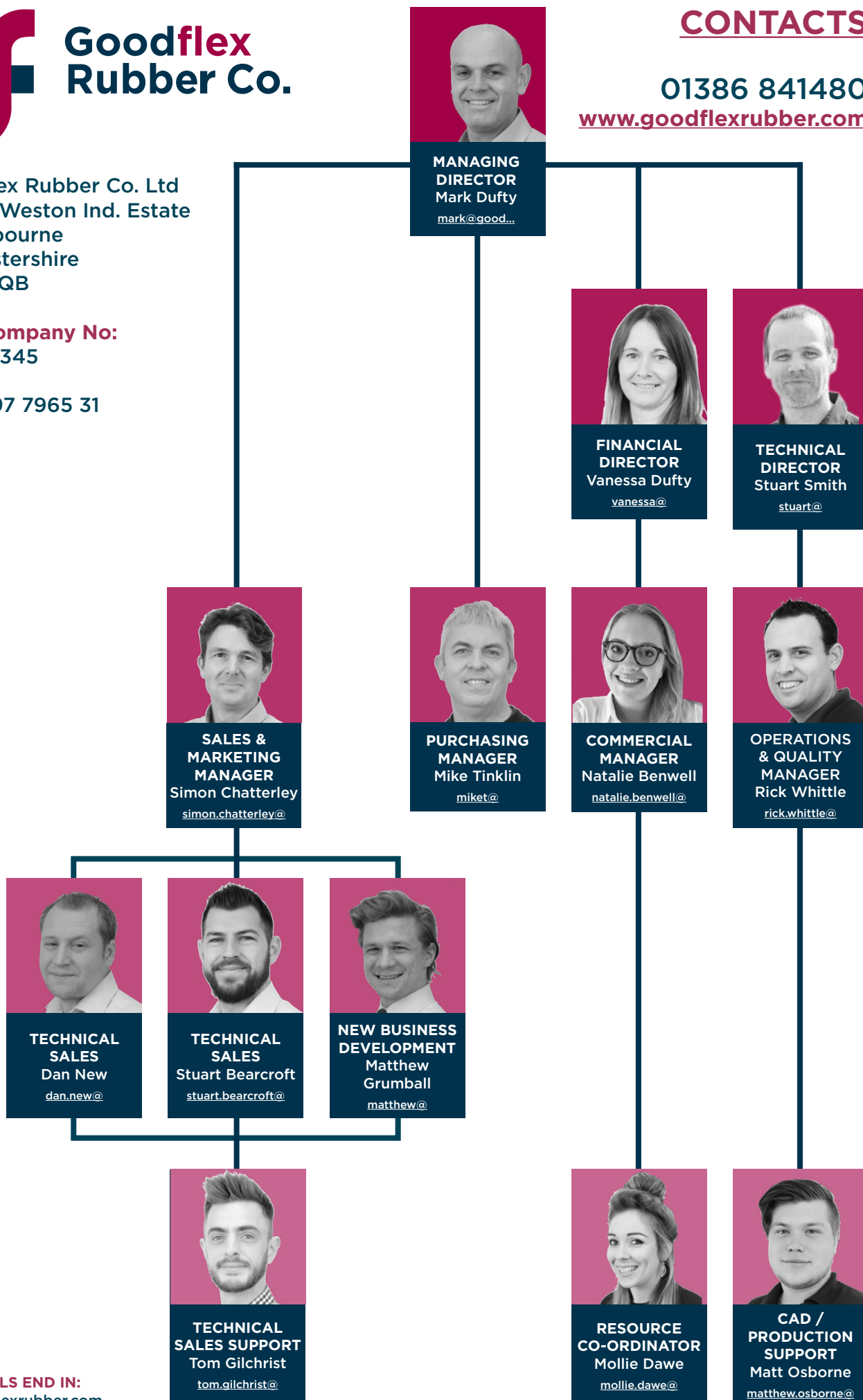
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