

# LPM 420

## FLUORESCENT PENETRANT LINE FOR TESTING OF ALUMINUM PARTS AUTOMOTIVE INDUSTRY



- effective solution of fluorescent penetrant inspection of parts with different sizes and mass FPI processes:
  - Water Washable -Level 1
- 100% surface inspection
- Comply with AMS 2644, ASTM E 165, EN ISO 3059 and others standards
- Approved by important automotive customer

### Basic specification

Dimensions of workplace :	<ul style="list-style-type: none"> <li>outer size 12 x6 x 3,5m</li> </ul>	Controls	<ul style="list-style-type: none"> <li>semi-automated processing in selected technology tanks</li> </ul>
tank size	<ul style="list-style-type: none"> <li>outer 900x1000x850 mm</li> <li>inner 800x900x800 mm</li> </ul>	Manipulation - upload/ unload:	<ul style="list-style-type: none"> <li>technology baskets for parts</li> <li>individually controlled lifting of each tank</li> <li>rollers</li> <li>hundreds parts per shift</li> </ul>
Power supply :	<ul style="list-style-type: none"> <li>3x400V, 50Hz , 20kW</li> </ul>	Productivity:	
Tested parts:	<ul style="list-style-type: none"> <li>Al castings for automotive</li> <li>up to 20 kg and 700 x600x 400 mm</li> </ul>	Other features :	<ul style="list-style-type: none"> <li>waste water cleaning unit</li> <li>comply with environmental protection requirements</li> </ul>

Place of installation	JAPAN AUTOMOTIVE COMPANY
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Year of installation	2007
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## REFERENCE FILE



## FURTHER SPECIFICATIONS

### controled functions:

- time control of stuff remaining in selected tanks
- temperature control in selected tanks
- pressure controls
- opening / closing of tanks lids
- roller conveyer – manual movement
- motor controlled liting of boxes
- closed rinse water filtration circuit
- activation of drying

### signalization the end of a process

- light signal (after finishing preset functions)

