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The background of the slide is a blurred industrial scene, likely a PCB assembly line. It shows various mechanical parts, tools, and components in shades of blue, green, and yellow, with some motion blur suggesting a fast-paced manufacturing environment.

**focus on cost drives out quality**  
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**Design for eXcellence**

# DfM | Design for Manufacturing

## maximising design manufacturability

Maximising the manufacturability of the design equates to minimising repair work during production.

### PREPARATORY PHASE

#### client briefing

1

- ▶ concept in block diagram format
- ▶ key components
- ▶ required delivery quality
- ▶ desired delivery flexibility
- ▶ anticipated product life cycle

#### tbp advises

2

- ▶ DfM guidelines
- ▶ data exchange guidelines
- ▶ general manufacturability recommendations, including preferred components

### DFM PHASE

#### client provides

3

- ▶ all product and design requirements
- ▶ bill of materials for all components
- ▶ CAD data

#### tbp reports

4

- ▶ problems established with the design's manufacturability
- ▶ specific recommendations for maximising the design's manufacturability, based on the reported problems
- ▶ calculated production yield percentage

### DESIGN FOR EXCELLENCE

#### DfM results

5

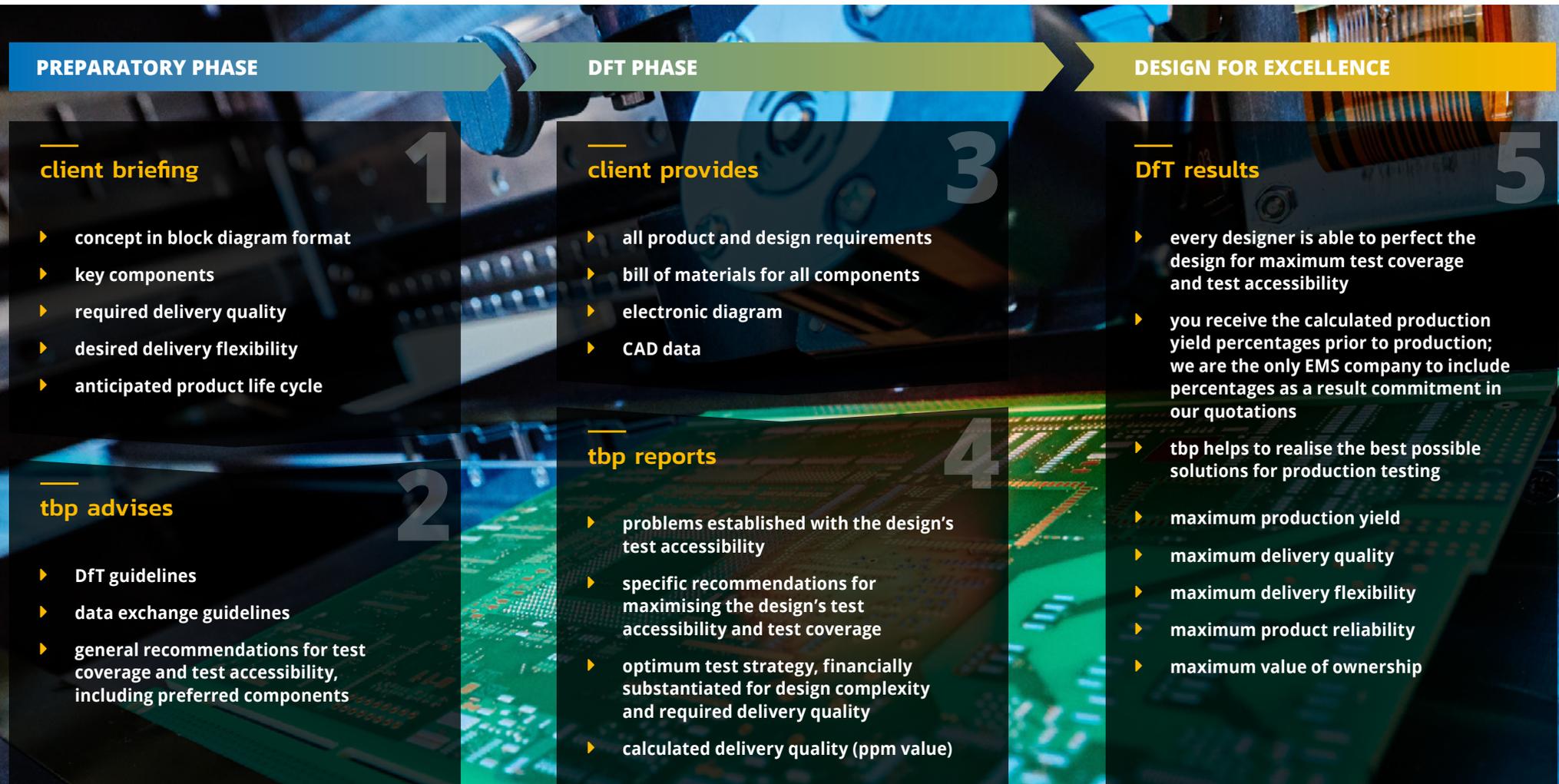
- ▶ your designer can perfect the design for efficient and effective production
- ▶ you receive the calculated production yield percentages prior to production; we are the only EMS company to include percentages as a result commitment in our quotations
- ▶ maximum production yield
- ▶ maximum delivery quality
- ▶ maximum delivery flexibility
- ▶ maximum product reliability
- ▶ maximum value of ownership

**right first time:** only do the right things, right first time

# DfT | Design for Testing

## test coverage and test accessibility maximise design

Our Extended Boundary Scan test solution is the most effective and efficient mixed signal production test (incl. programming, calibration and coverage of functional test requirements).



**right first time:** only do the right things, right first time