



Zinc...essential for life

UN CFC – India – Zinc Die Casting

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Other Aspects



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Other Aspects

- Plant Layout, maintenance – '5S's'
- Electroplating
- Findings



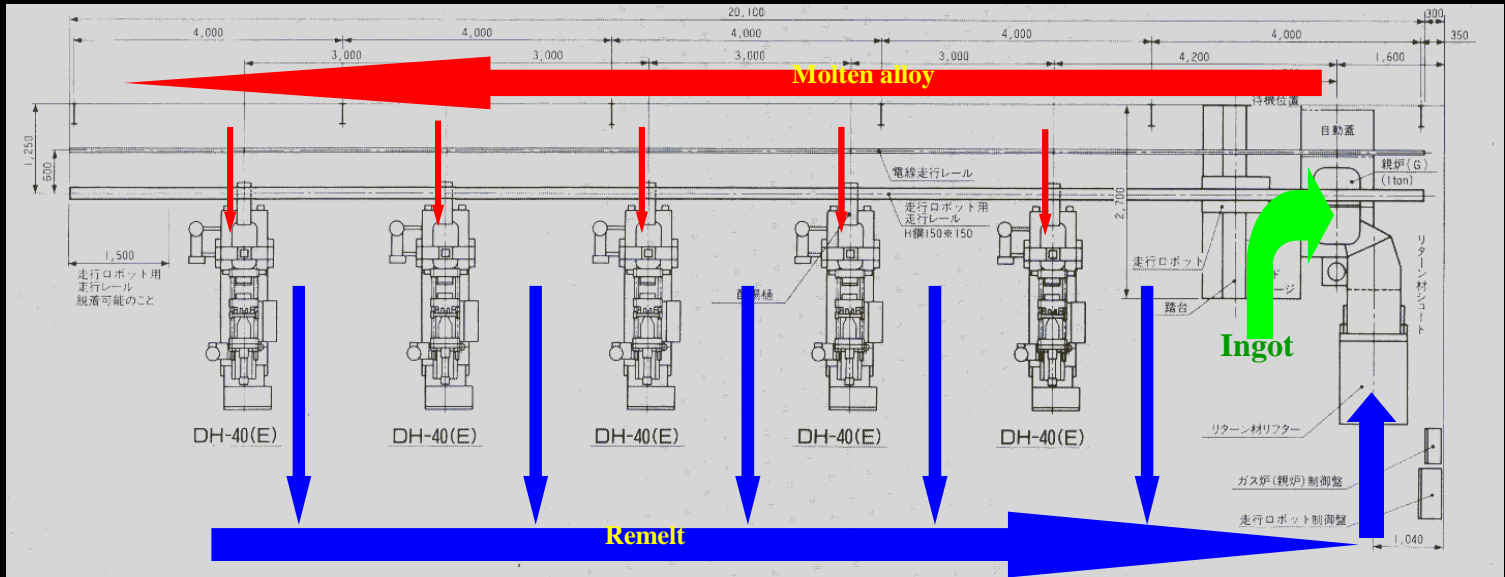
Plant Layout, cleanliness, maintenance, '5S's'

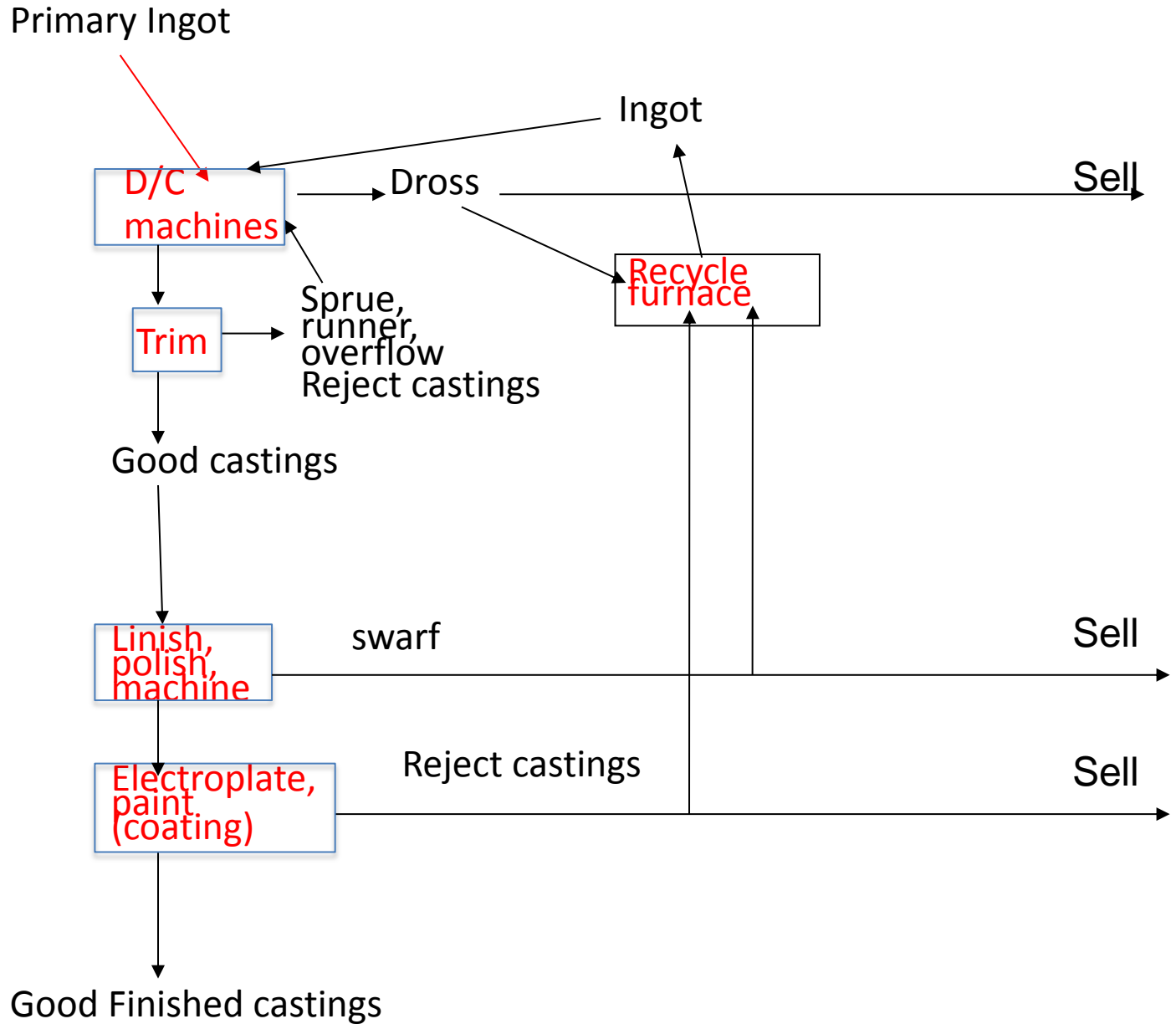
Good plant layout should

- Give easy and **safe** access to die casting machines for all aspects of operation and maintenance
- Minimise materials handling
- Avoid damage to castings



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Plant Layout, cleanliness, maintenance, '5S's'

Cleanliness refers to:

- Condition of machines and surrounds
- Minimising opportunities for spills, leakages.
- Proper storage of all equipment
- Removal of any unwanted material
- Minimisation of fume and its proper removal.
- Storage of all materials in clean and dry conditions



Plant Layout, cleanliness, maintenance, '5S's'

- **Maintenance**
- Die casting machines, ancillary equipment
- Dies
- Working environment

All of these factors are well covered in the so called 5S's system



Findings

Plant layout, cleanliness, maintenance, '5S's'

- Many plants were good but some need improvement
- Bigger plants should consider central melting and auto transfer of molten alloy.
- Handling of zinc alloy
 - For high end electroplated castings need to improve handling to avoid damage





Findings

Handling of zinc alloy

- For high end electroplated castings need to improve handling to avoid damage



Conveyor System for Aesthetic parts





Findings

Plant layout, cleanliness, maintenance, '5S's'

- Recycle should be kept clean





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Electroplating



- Outside the direct work of this project
- BUT vital to consider if the industry is to grow