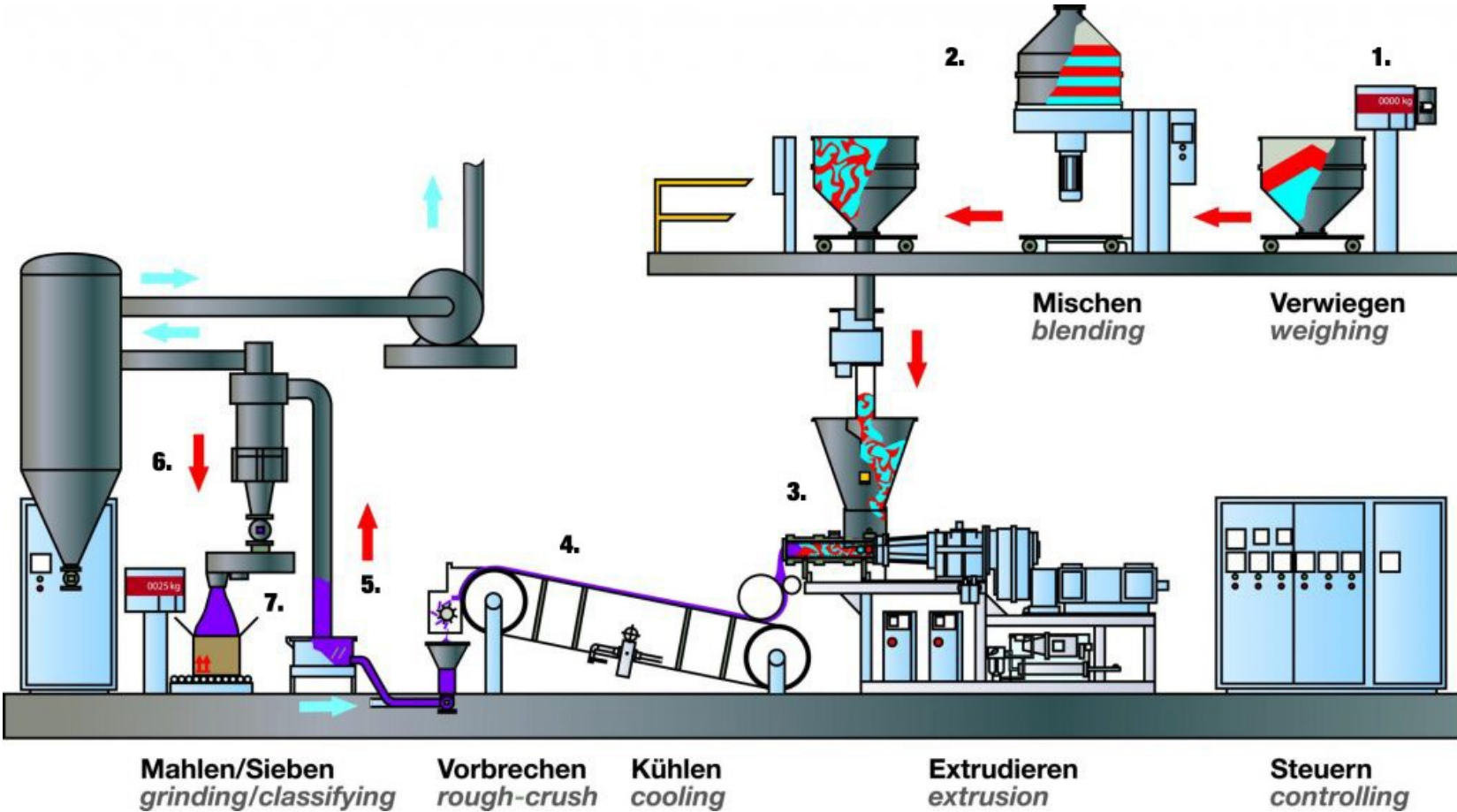


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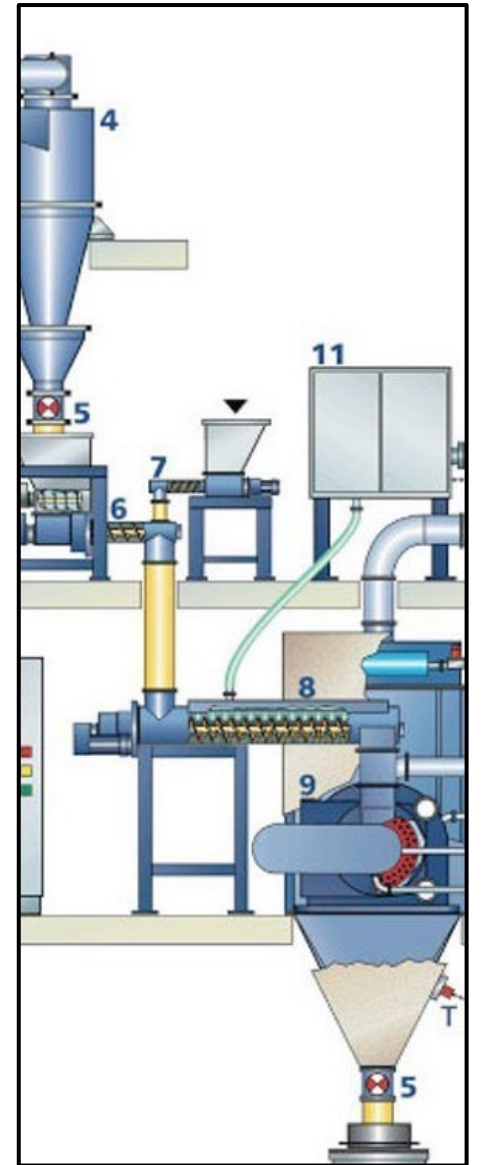
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Process Design

Agenda

1. Process Design: What is it ?
2. Process Design Purpose and Benefits
3. Process Types
4. The Product-Process Matrix
5. Takeaways



Introduction

What is it ?

Process design support the lean transformation by understanding the process types and the **Product-Process Matrix** which illustrates the relationships between process types.



Introduction

Purpose and Benefits.

To understand how to establish pull systems, we need to understand the **process types**.

Understanding the different process types we can **design a better process** with the **pull system** in mind.

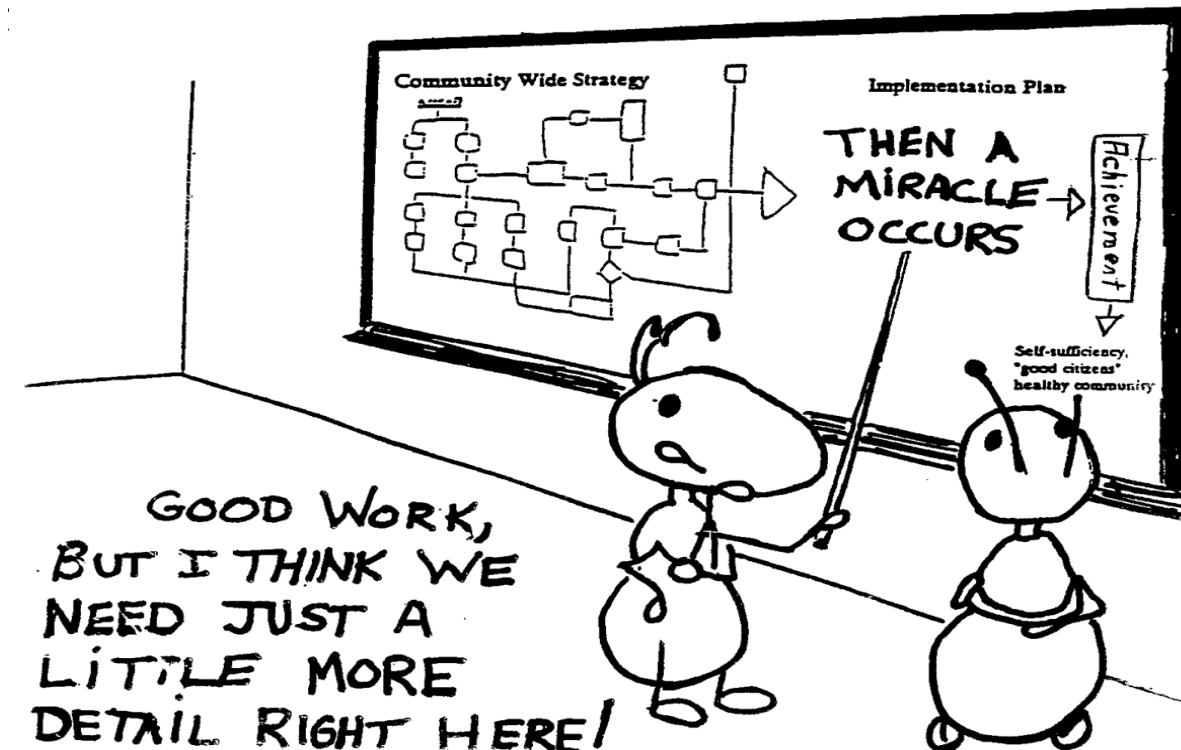


Process Design

Process Types:

Processes range from those producing at **high volume to low volume.**

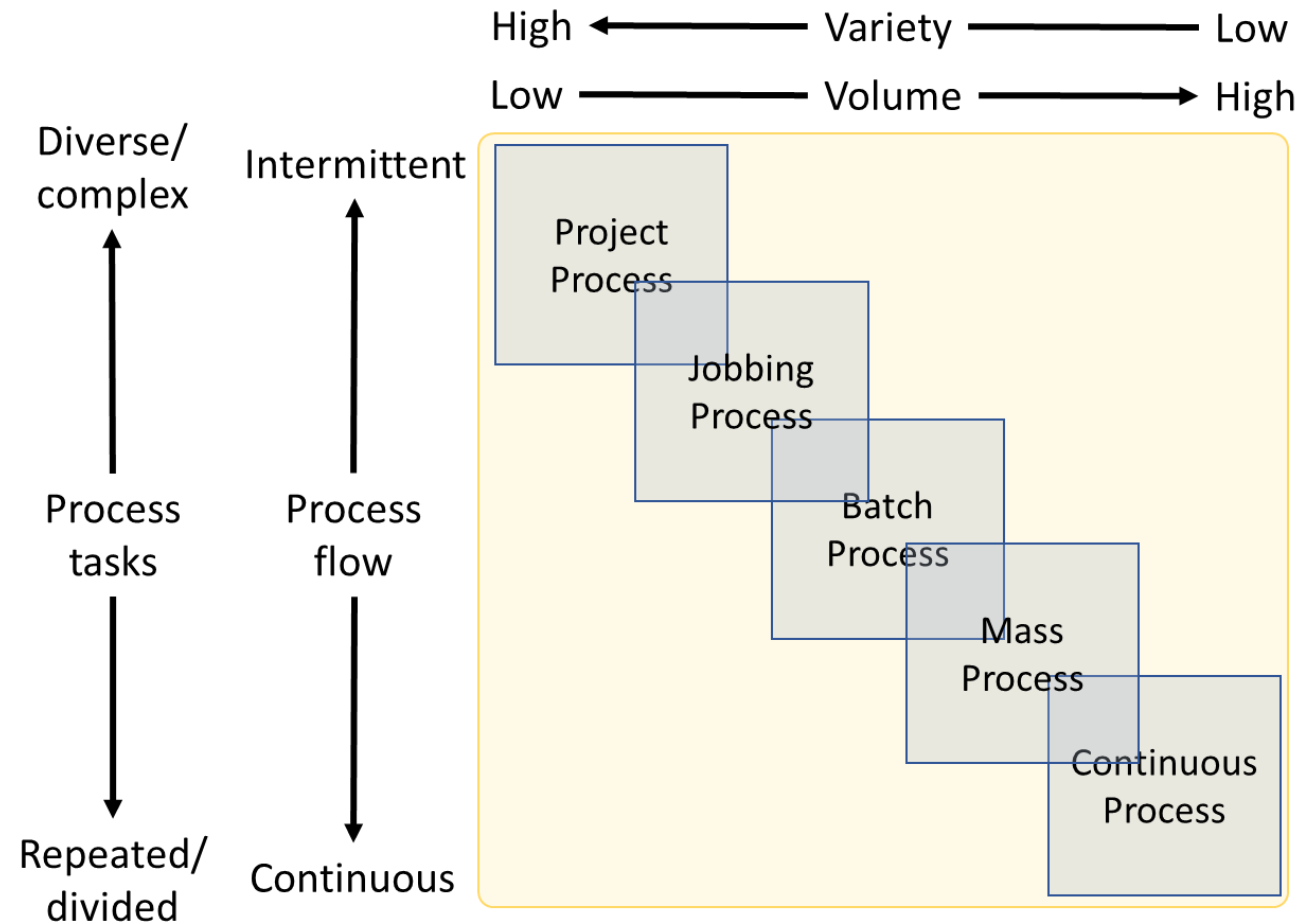
Processes can range from producing a very **low variety** of products or services to a very **high variety.**



Process Design

Manufacturing Process Types

Process Types:



Process Design

Manufacturing Process Types

Process Types:

Project Processes



Jobbing Processes



Batch Processes



Process Design

Manufacturing Process Types

Process Types:

Mass Processes



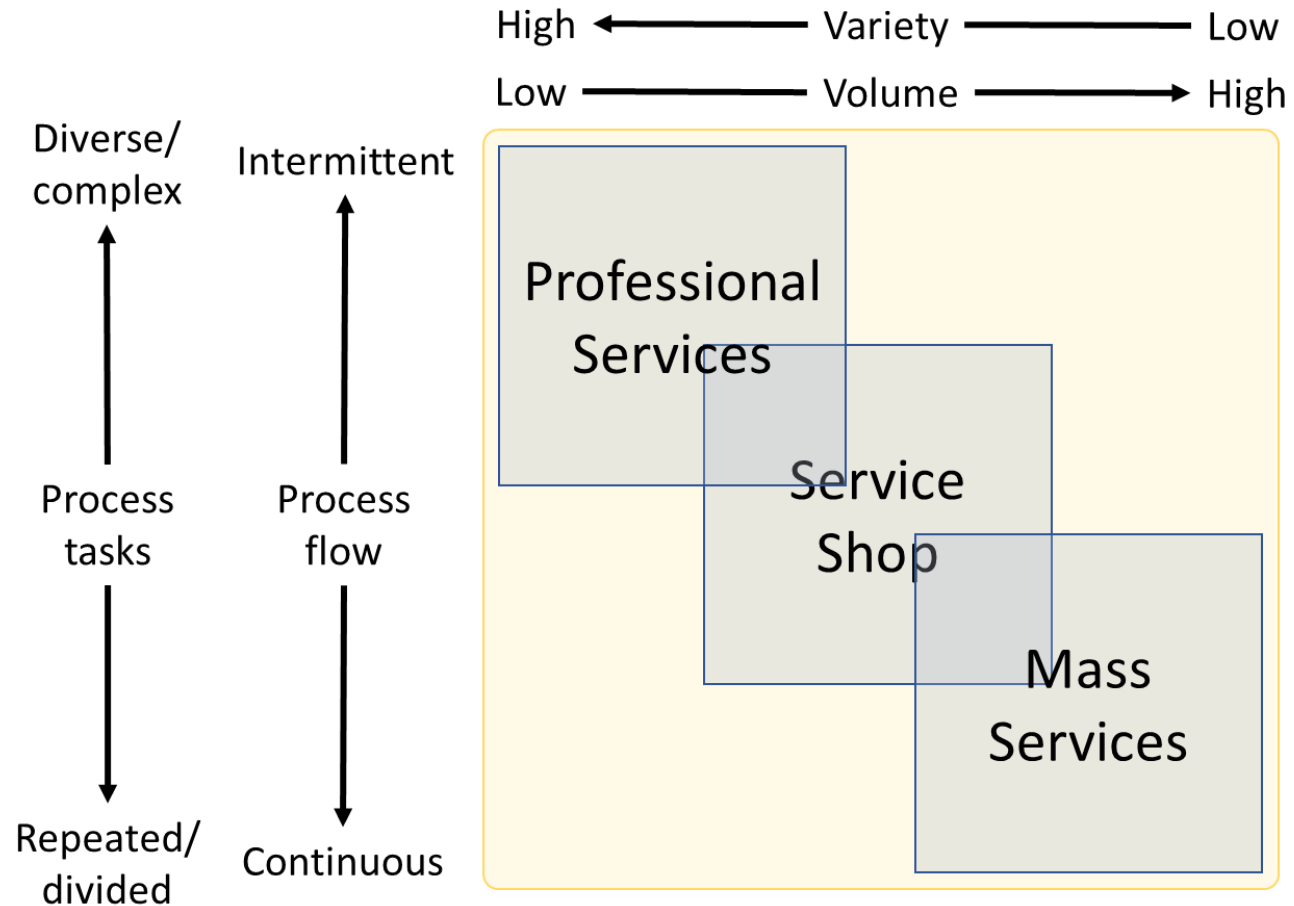
Continuous Processes



Process Design

Service Process Types

Process Types:



Process Design

Service Process Types

Process Types:

Professional Services



Service Shops



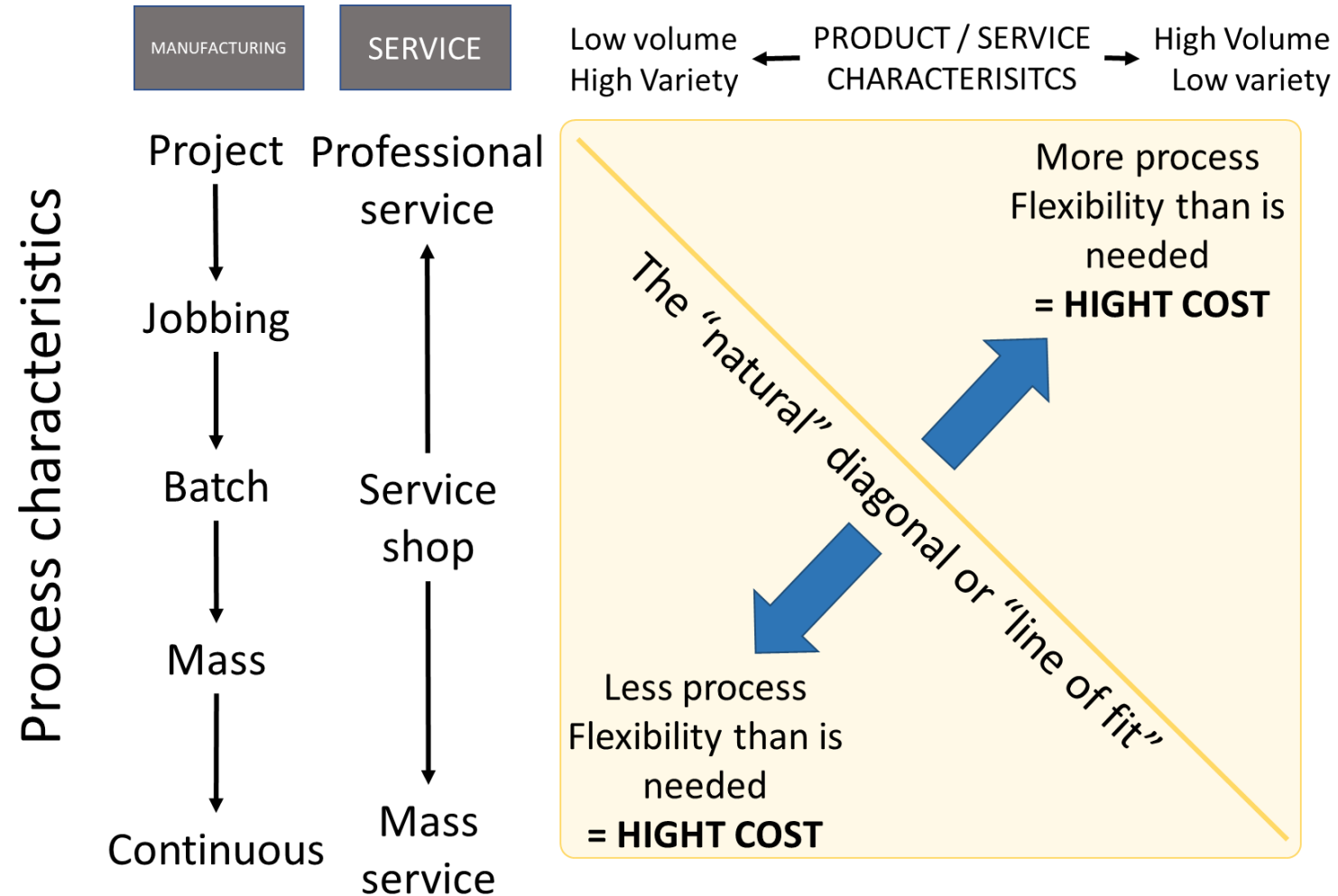
Mass Services



Process Design

Natural Process / Line of Fit

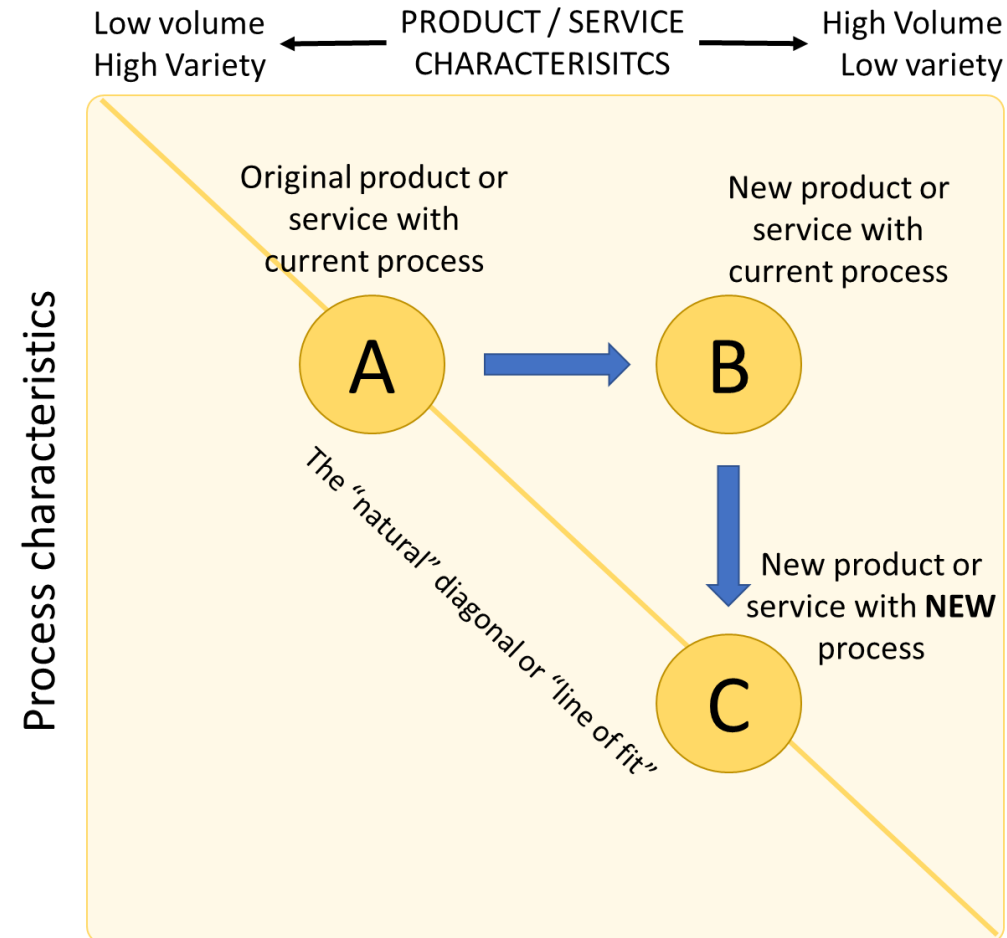
Process Types:



Process Design

Improving the Process

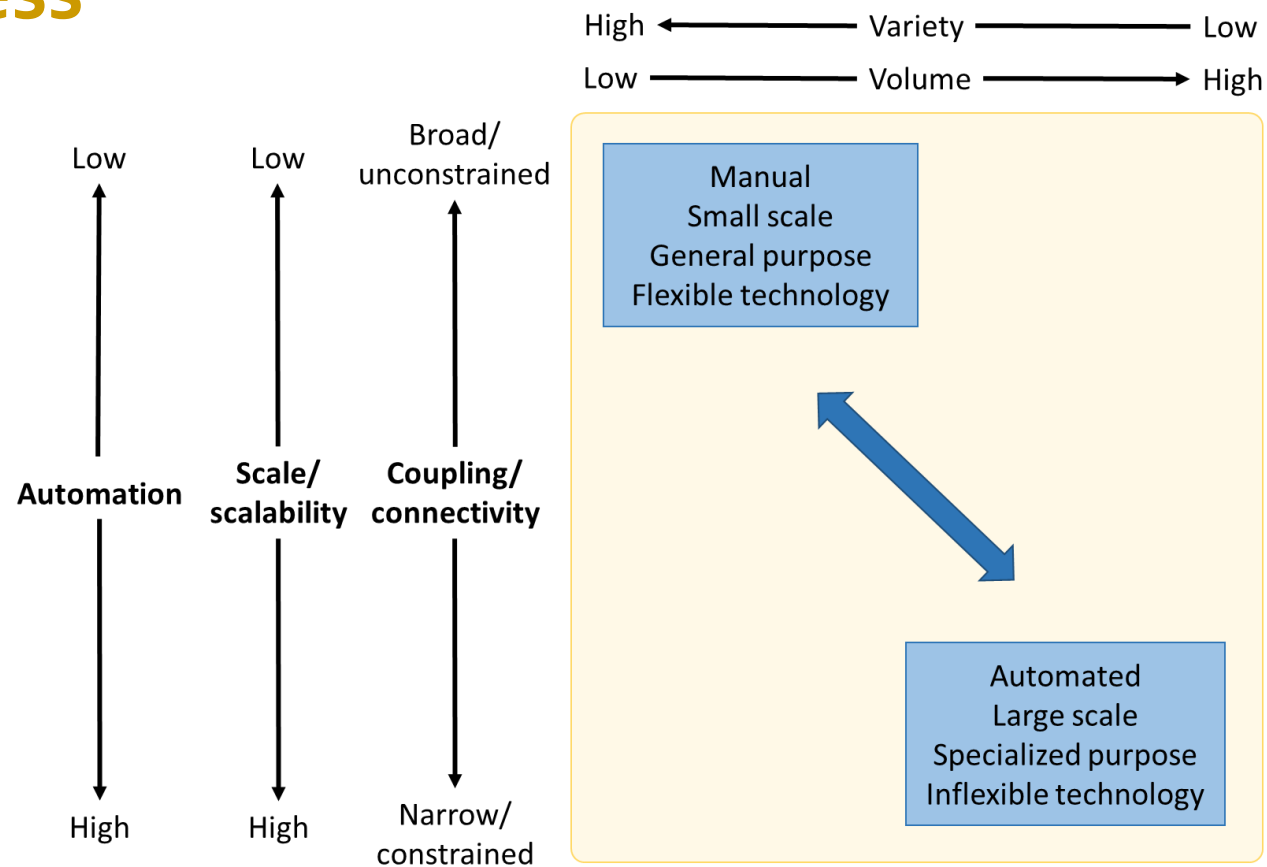
Product-Process Matrix:



Process Design

Technology involvement in Improvement the Process

Product-Process Matrix:



Takeaways

- Process Design helps to plan for capital investment, reclaim current process capacity and set foundations for lean manufacturing.
- Well design processes will bring better operational results.
- Different process technologies will be appropriate for different types of operations, not just because they process different transformed resources, but also because they do so at different levels of volume and variety.



Thank You



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Process Design

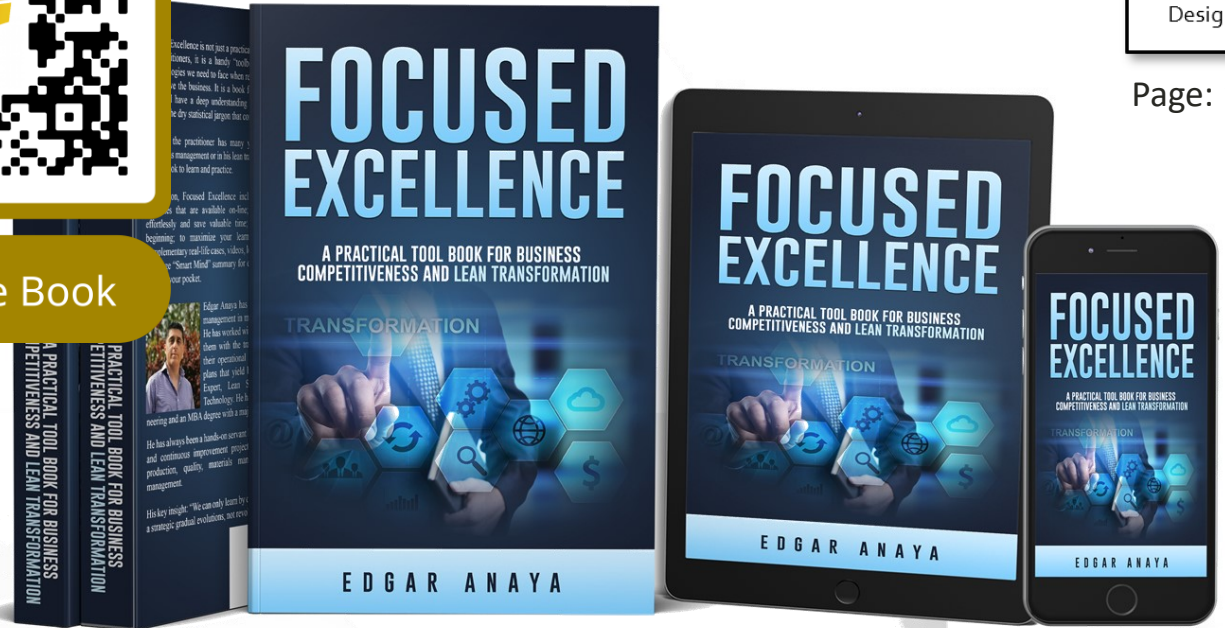
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