



eXensys Micro Vertical Solution

Micro-Vertical – Springs

Agenda

Industry Overview

Industry Characteristics

Key Processes 'n' Challenges

eXensys Best Practices



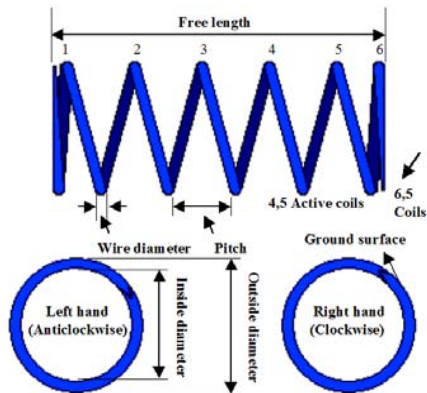
Industry Overview

Micro-Vertical – Springs

Spring manufacturing, as any other production process, is not exact. It can be expected to produce variations in such spring characteristics as load, mean coil diameter, free length, and relationship of ends or hooks. The very nature of spring forms, materials, and standard manufacturing processes cause inherent variations.

Types of Springs

Compression Spring



Extension Spring

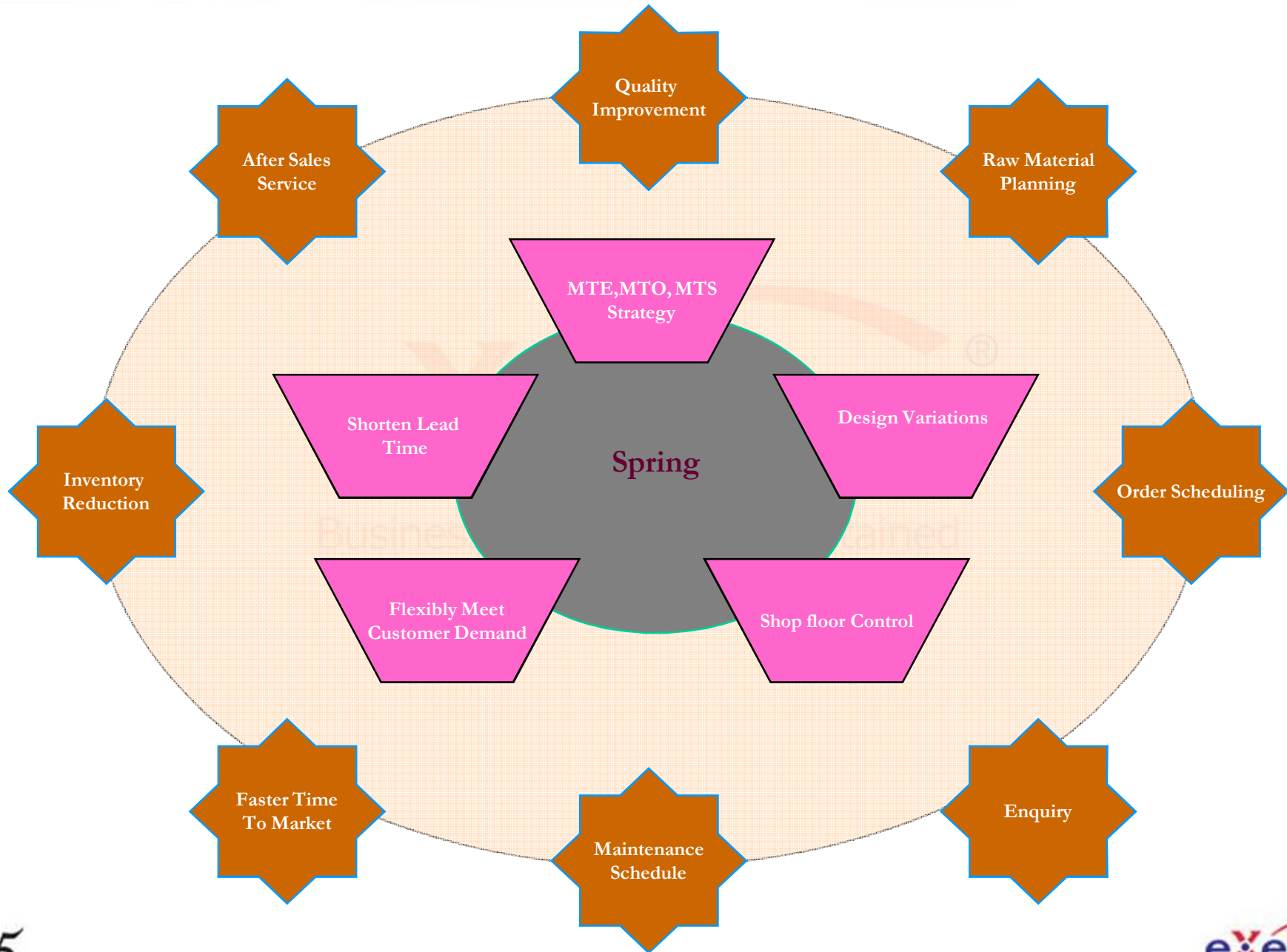


Torsion Spring



Industry Characteristics

Micro-Vertical – Springs



Key Processes 'n' Challenges

Micro-Vertical – Springs

Key Processes

- Product costing
- WIP Management
- Quality process on item
- Capacity checking at every level of Planning
- Effective execution and control

Challenges\Pain Areas

- Variations in designs
- Inventory/Lot/Bin/Location tracking
- Quality checking
- Efficient Planning of capacity
- Order management and timely delivery
- Scrap analysis



eXensys Best Practices

Micro-Vertical – Springs

S.No	Pain Areas	Why do companies fail?	eXensys Best Practice
1.	Quality Checking	Too much Quality Specs	Better handling of quality related issues
2.	Efficient Capacity Planning	Lack of Capacity Planning at every level	Exensys® support Resource Planning, RCCP and CRP effectively
3.	Scrap Analysis	Not including scrap	Scrap factor can be defined at the Level of BOM as well as BOM item. Efficient Tracking of scrap
4	Design Change	No control on engineering change	Exensys have the proper system for any Design change of product. this will work through ECO

