

# Tablet Compression Optimization Checklist

## Formulation Check

- 1 Verify particle size distribution
- 2 Ensure proper moisture content
- 3 Optimize binder concentration
- 4 Check flow properties

## Machine Parameters

- 1 Set optimal compression force
- 2 Adjust turret speed appropriately
- 3 Ensure adequate dwell time
- 4 Apply pre-compression if needed

## Tooling & Equipment

- 1 Inspect punches and dies
- 2 Ensure proper alignment
- 3 Clean tooling regularly
- 4 Check lubrication system

## Process Control

- 1 Monitor tablet weight and hardness
- 2 Use statistical process control
- 3 Perform in-process testing
- 4 Document parameter settings

## Environment

- 1 Control temperature and humidity
- 2 Minimize dust levels
- 3 Ensure vibration-free operation