

# XM 12

Certified Pre-Owned Tablet Press  
Serial Number K1530051



## 1. Tablet Press Description

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### 1.1 General Description

Certified Pre-Owned KORSCH XM 12 Tablet Press, manufactured in 2015 and fully refurbished in 2022. The XM 12 is a small-scale tablet press which is ideal for single and bi-layer tablet development, clinical production, and mid-range production.

### 1.2 Key Features

- Single and Bi-Layer (Available Optional) Execution
- 16-Station, TSM B Turret
- Exchangeable Turret Capability
- Keyways in Upper Turret
- GMP Compression Zone
- Multi-Function Column (MFC)
- 40 kN Precompression Capability
- 80 kN Main Compression Capability
- Variable Speed, Zero Clearance Feeder
- Central Machine Control Diagnostic System
- Composite Cam Track Design
- Frequency Drive on Main Motor
- 3-Channel Discharge Chute
- 3-Zone Central Lubrication System
- Additional Lubrication Zone at Ejection Cam
- Full Set of Fill Cams (10 mm, 14 mm, 18 mm)
- Windows 10 Platform
- Allen-Bradley ControlLogix PLC Platform
- HMI Touch Screen
- Password Login



- Product Recipe
- Event Log
- Alarm and Alarm History
- Fully Compliant with 21 CFR Part 11

## **2. Press Force Control**

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- Display of Average Force - Precompression
- Display of Average Force - Main Compression
- Display of Single Forces by Punch Station - Precompression
- Display of Single Forces by Punch Station - Main Compression
- Feedback to Dosing Cam for Tablet Weight Control
- Display of Standard Deviation of Main Compression Force
- Entry of Press Force Limits - Precompression
- Entry of Press Force Limits - Main Compression
- Press Force Trending and Storage for Batch Report
- Full Functionality with Reduced Tools Configuration

## **3. Single Tablet Rejection:**

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- Rejects an Individual Tablet at All Press Speeds
- Records and Displays Punch Station as Tablets are Rejected
- Entry of Maximum Rejects from a Single Punch Station
- Entry of Maximum Rejects from All Punch Stations
- Reject Set-Up Parameters Stored in Product Recipe
- Reject Log Report

## 4. Machine Specifications:

<b>Punch Stations</b>	<b>16</b>
Press Tools	TSM B
Main Compression Force	80 kN
Precompression Force	40 kN
Tamping Force	5 kN
Maximum Tablet Diameter	16 mm
Press Speed, Single-Layer	10-120 RPM
Press Speed, Bi-Layer	10-60 RPM
Output (Tabs/Hour), Single-Layer	115,200
Output (Tabs/Hour), Bi-Layer	57,600
Pitch Circle	252 mm
Maximum Tablet Thickness	8 mm
Net Weight	2,400 kg
Main Power Supply	480 V, 3 Phase, 60 Hz

## 5. Documentation Package:

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- Installation Qualification (IQ)
- Calibration Qualification (CQ)
- Operation Qualification (OQ)
- Operation and Service Manual
- Product Contact Parts Specification
- Lubrication Specification
- Spare Parts List
- Electrical Schematics
- Mechanical Assembly Drawings

## 6. Warranty

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The Certified Pre-Owned KORSCH XM 12 is supported by a limited 12 month warranty.

## 7. Contact

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For more information, please contact:

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