



DISCRETE MANUFACTURING

out of the Box Manufacturing Data
Management Solution (MDSLite)

- powered by XD Innovation and SBS



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As global opportunities expand and adoption of the “Any Product, Any Plant” manufacturing strategy increases, winning in today’s globally competitive marketplace requires partnering with a proven company that helps you leverage industry best practices while supporting process flexibility. Our MOM solution for discrete manufacturers delivers visibility and control across your enterprise manufacturing operations and supply chain, helping you drive global best practice and continuous improvement while maximizing asset utilization:



Easily adaptable to the specific requirements of different industrial processes

- ✔ The highly scalable platform delivers powerful capabilities and enables manufacturers to combine production efficiency with production quality and production visibility to optimize their processes and significantly reduce their time-to-market.
- ✔ MES capabilities and out-of-the-box features designed to support the unique processes and requirements of sectors executing sequential discrete manufacturing functions in order to produce the desired product, particularly:

Complex Assembly Manufacturing
(high complexity, low volume)

Job Shop Manufacturing (high
complexity, low volume)

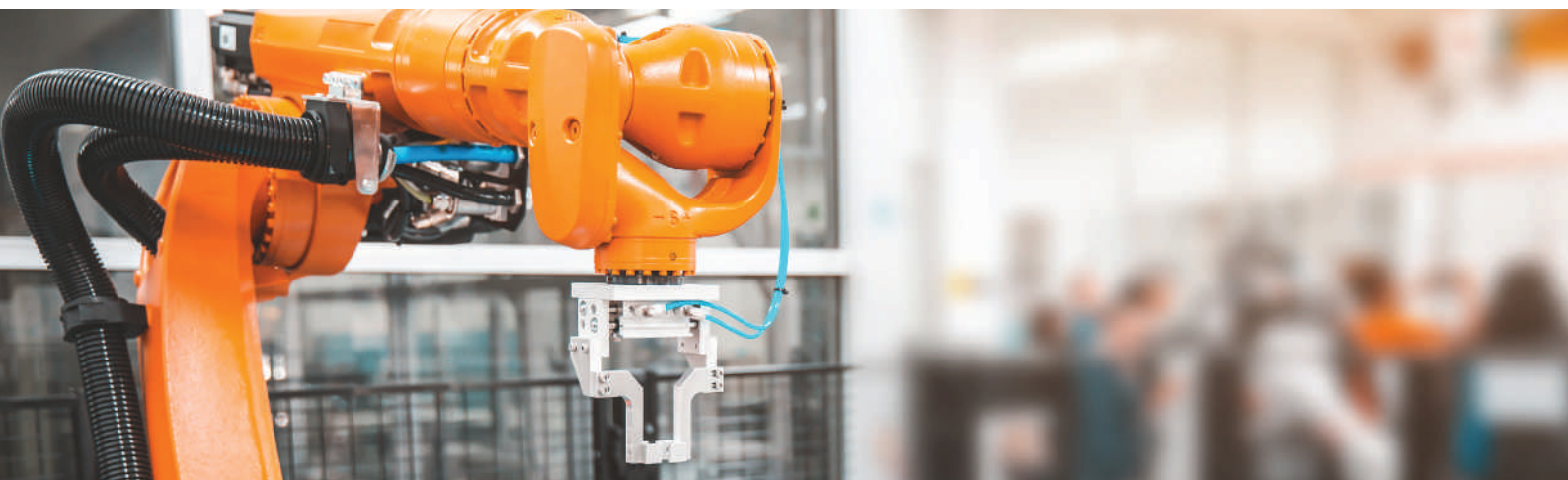
Automated Repetitive Manufacturing
(configurable products, high volume)

- ✔ The MDSLite solution addresses 80% of today’s manufacturing challenges at 20% cost with an implementation via agile from Start to Run in 8 weeks
- ✔ The solution helps to reduce costs and achieve the highest quality products while making compliance a by-product of excellent manufacturing processes.







Accelerate Innovation in the manufacturing domain with SBS/XDI’S MDSLite solution!

Solution Footprint



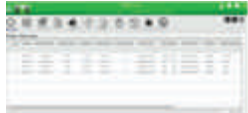
- ✓ **Manufacturing Planning** – levelling the production plan vs load, scenario analysis, capacity, sales projections and new product introductions to ensure maximum throughput.
- ✓ **Detailed Scheduling** – finite capacity planning with the focus on manufacturing bottlenecks. Taking all your constraints around certifications and qualifications into consideration when optimizing your production schedule.
- ✓ **Data Collection and Acquisition** – obtain operational real-time manufacturing data which is associated with your production equipment and processes.
- ✓ **Production Execution Management** – complete visibility, control and synchronization of your manufacturing processes.
- ✓ **Inventory Management** – control and synchronize material flows from your warehouses into the shopfloor
- ✓ **Labor Management** – time and attendance reporting, certification tracking, as well as the ability to track production support functions performed by personnel. It automatically ensures that only qualified employees perform prescribed shop-floor and quality functions. Realtime verification fully supports regulatory and quality systems compliance.
- ✓ **Quality Control** - end-to-end quality management of the manufacturing process. Greater process quality control improves quality consistency. MDSLite improves quality consistency by orchestrating quality operations. When deviations are detected, MDSLite provides exception management, and root cause analysis, and provides you with protocols to correct the nonconformance.
- ✓ **Traceability** - Status information may include personnel assigned to the work; component materials used in production; current production conditions; and any alarms, rework, or other exceptions related to the product. The functionality includes the capability to record the production information allowing forward and backward traceability of components and their use within each final product.



Execution Core

<p>LABOR MANAGEMENT</p> 	<p>QUALITY MANAGEMENT</p> 
<p>PRODUCTION EXECUTION</p> 	<p>INVENTORY MANAGEMENT</p> 
<p>TRACEABILITY</p> 	<p>DATA COLLECTION & ACQUISITION</p> 

Planning and Optimization Core

<p>PRODUCTION PLANNING</p> 
<p>DETAILED SCHEDULING</p> 
<p>ORDER DISPATCH</p> 







MSI Core

(Machine and System integration)



MIAR Core

(Mfg. Intelligence Analytics and Report)

<p>KPI (OEE)</p> 	<p>REPORTS</p> 
<p>DASHBOARDS</p> 	<p>REAL-TIME VISUALIZATION</p> 

Why SBS/XDI?

UNPARALLELED TEAMS

SBS presents a very senior team with deep experience in SAP, Oracle, Microsoft and Dassault Systemes products. The consultants we offer have, on average, more than 8 years of expert knowledge in their respective areas.

SOLUTION KNOWLEDGE

SBS consultants offer unique experience in the field of PLM, ERP, MOM and IOT technologies. They are experienced in delivering high quality end-to-end solutions focused on value creation.

BUSINESS PROCESS KNOWLEDGE

Our people combine technical knowledge, business process consulting skills, and change management capabilities to deliver an optimized solution tailored to your needs.

CERTIFIED PARTNERS

As a Dassault Systems value added reseller and SAP certified partner, we are up to date about product changes and have used their standard products to develop pre-packaged solutions to realize maximum ROI.

CUSTOMER CENTRIC

Your success is our success. We work with our customers as one team with a common mission. Our customers see us as a long-term partner who they can trust. We deliver software and services in one package.

PROVEN TRACK RECORD

Our team delivered more than 250k days of holistic and fully integrated Engineering, Manufacturing and Supply Chain solutions in more than 300 projects globally.



XD Innovation is proud to be working with key industry innovators who are building game changing technologies in the areas of Electric Vehicles, VTOLs, Hyperloop, Autonomous transportation, semiconductors, life sciences and industrial robotics.