



# SOLUTION

# LIVLOTS

CONNECTED FACTORY



# LIVLOTS

## LIVE VARIABLE LOT PRODUCTION SYSTEM

### CONNECTING PEOPLE, PRODUCTS AND SOLUTIONS IN A DIGITALISED WAY

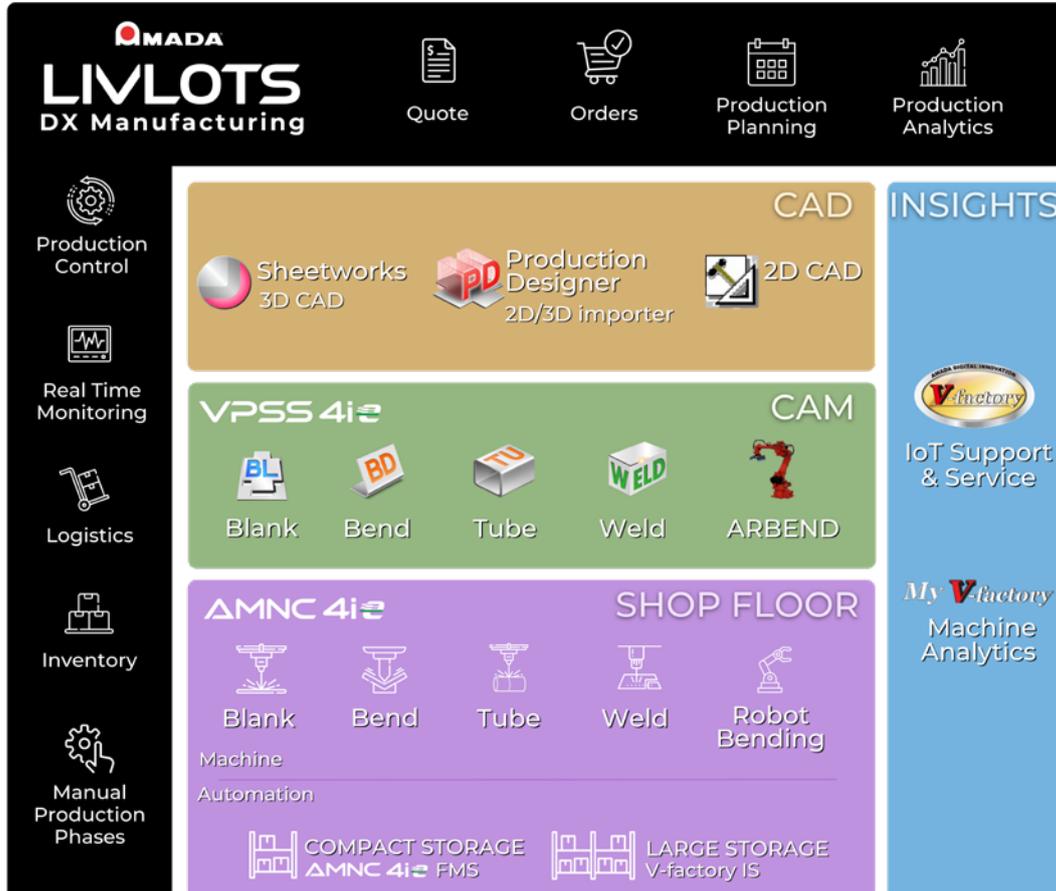
With the brand-new software solution LIVLOTS (Live Variable LOT production System), AMADA demonstrates how digital transformation can make production processes more efficient and reliable. Particularly noteworthy is the deep integration into innovative machine technologies, the VPSS 4ie CAD CAM software solution for virtual prototype manufacturing, complemented by predictive support from technical services, which reduces downtime and increases machine availability.

### LIVLOTS – THE KEY TO DIGITAL TRANSFORMATION

The newly developed LIVLOTS application easily responds to the changes and variables present on any production line and promotes continuous improvement to make more efficient use of resources.

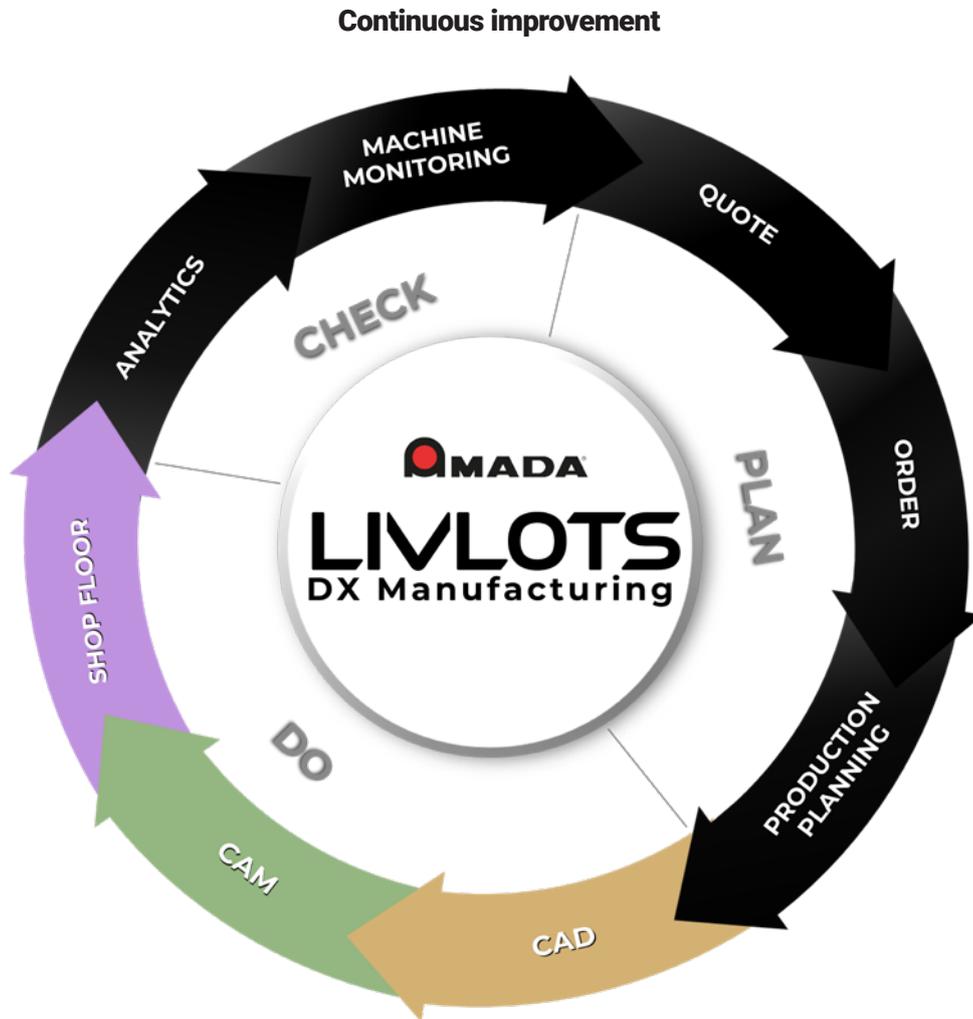
LIVLOTS connects not only machines but also employees, providing relevant production order data in real-time – exactly when it is needed.

### LIVLOTS, OUR SOFTWARE SUITE TO TURN YOUR FACTORY INTO A SMART FACTORY!



## LIVLOTS CONCEPT AND BUNDLES

The LIVLOTS concept gives you the possibility to digitalise the whole manufacturing process, starting from the work-order management to the shop floor, passing through the programming process.



LIVLOTS connects people, products and things in a digital way, thanks to 10 modules built to boost your productivity.

### **JOB, PLACE, VIEW, CHECK, DOCUMENT, QUOTE, ORDER, PLAN, COST, HISTORY**

Thanks to its modularity, LIVLOTS adapts to your situation.

Every business has unique requirements when it comes to managing operations and workflows. That's why our suite offers a range of flexible packages designed to meet to your specific needs.

Start with the Starter Pack, **ERP CORE** or **DX CORE**, depending on your existing infrastructure.

From there, enhance your capabilities with our three Extension Packs, which add powerful new modules to streamline your operations. For businesses seeking specific functionality, the QUOTE pack is available as a standalone option.

This flexibility allows you to build a customised solution that grows alongside your business.

## BUNDLES

### STARTER PACKS

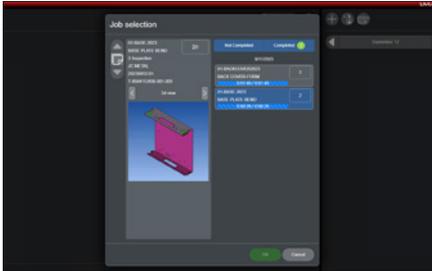
STARTER PACK	STARTER PACK
<p style="text-align: center;"><b>ERP CORE</b></p> <p style="text-align: center;">Designed for customers with an ERP system</p> <hr/> <ul style="list-style-type: none"> <li>● JOB</li> <li>● VIEW</li> </ul> <p>The DX process starting point. Connect the shop floor with the programming office and any ERP system. Information are now digitised and shared between all the involved people and workspaces. Get some production insights thanks to the dashboards.</p>	<p style="text-align: center;"><b>DX CORE</b></p> <p style="text-align: center;">Designed for customers without an ERP system</p> <hr/> <ul style="list-style-type: none"> <li>● JOB</li> <li>● VIEW</li> <li>● ORDER</li> </ul> <p>The DX process starting point. Connect the shop floor with the programming office. Create orders and track their progress. Information are now digitised and shared between all the involved people and workspaces. Get some production insights thanks to the dashboards.</p>

### EXTENSION PACKS

EXTENSION PACK	EXTENSION PACK	ALSO AVAILABLE AS STANDALONE
<p style="text-align: center;"><b>SHOP FLOOR</b></p> <hr/> <ul style="list-style-type: none"> <li>● CHECK</li> <li>● DOCUMENT</li> <li>● PLACE</li> </ul> <p>Enhance the synergy in your shop floor with a document management system sharing instructions and quality reports in the organisation. Connect the compact and large storage systems to better manage material and parts.</p>	<p style="text-align: center;"><b>OFFICE</b></p> <hr/> <ul style="list-style-type: none"> <li>● PLAN</li> <li>● COST</li> <li>● HISTORY</li> </ul> <p>Everything under control. Manage the production planning and resources allocation. Monitor production results and final costs of the products, enabling data-driven decisions.</p>	<p style="text-align: center;"><b>QUOTE</b></p> <hr/> <ul style="list-style-type: none"> <li>● QUOTE</li> </ul> <p>Start right, end right ! Parametric quote, quote based on VPSS 4ie Suite estimation, based on historic results. This module provides several solutions allowing the creation of accurate and reliable offers.</p>

Unlimited users. Unlimited connected machines.

## MODULES OVERVIEW



### JOB

The JOB module manages order data from the ERP and tracks production progress. It integrates with VPSS 4ie Suite, AMNC 4ie, and external systems, allowing real-time monitoring of processes like cutting, bending, welding and manual tasks like painting and assembly. It also supports the management of legacy machines, ensuring efficient production oversight.



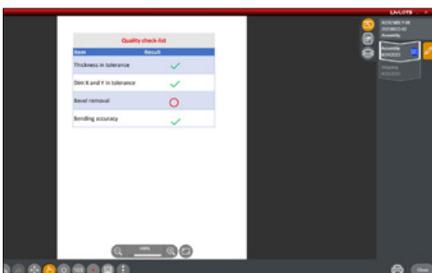
### PLACE

The PLACE module optimises logistics operations by facilitating the sorting process after the blanking phase. It offers guided part palletisation, colouring parts by item code, production order and next step. Moreover, the PLACE module oversees inventory management, providing real-time visibility into raw material and part availability across AMADA tower and storage systems.



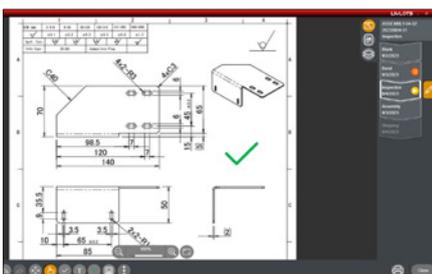
### VIEW

The VIEW module offers real-time insights into shop floor operations through customisable dashboards and a 3D interactive factory view. It tracks order progress, machine performance, and operator efficiency. The 3D visualisation provides an overview of machine statuses, allowing users to virtually explore the factory environment and monitor production activities in detail.



### CHECK

The CHECK module simplifies quality control by recording inspection details such as photos, videos, and notes, along with monitoring the inspection time. Users can search for parts via QR code or order details to initiate quality checks, ensuring that all data, including images and annotations, is stored for future reference and analysis.

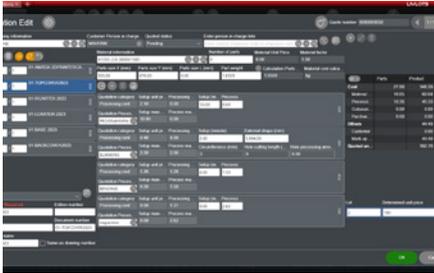


### DOCUMENT

The DOCUMENT module serves as a centralised repository for all production-related documents. It links files directly to orders, providing easy access to necessary documentation throughout the production process, ensuring consistency and compliance.

# LIVLOTS

## MODULES OVERVIEW



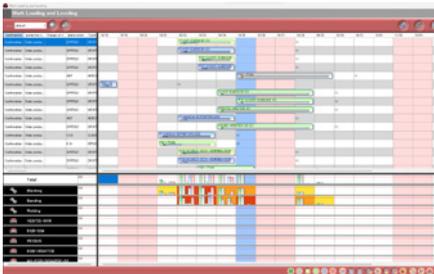
### QUOTE

The QUOTE module enables the generation of accurate quotations using a variety of methods, including parametric quoting and quoting based on production results. Integration with the VPSS 4ie Suite enables precise cost estimation based on part design and CAM process estimations. In addition, the similarity search algorithm will provide quotations based on past data results.



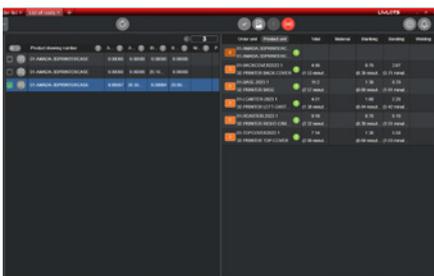
### ORDER

The ORDER module handles order registration, inventory management, purchasing, and shipments. For companies without ERP integration, it serves as the starting point for production. It offers customisable order creation options and provides real-time statistics on deliveries and order composition.



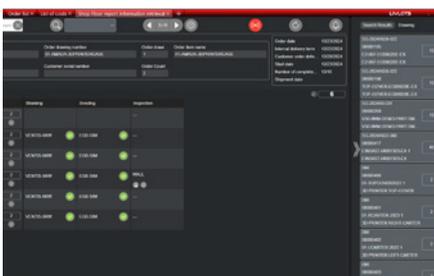
### PLAN

The PLAN module assists in production planning, helping to prevent bottlenecks by forecasting workload based on estimated production times. It offers a visual representation of order progress and shop capacity, allowing for schedule adjustments and work-centre task assignments to balance the workloads at an early stage, even before the CAD/CAM programming phase.



### COST

The COST module provides insights into actual production costs and performance. It calculates the final cost of each production phase by utilizing machine data and records from LIVLOTS terminals, allowing for performance comparison and advanced cost analysis across production batches.



### HISTORY

The HISTORY module maintains a comprehensive record of all production activities, including documents attached during the manufacturing process. It provides detailed information on when and where parts were produced, along with their results and supporting documentation for future traceability.

# VPSS 4ie

## ADVANCED SHEET METAL ENGINEERING SYSTEM

AMADA strongly believes that innovative software is the core of productive sheet metal processing. With decades of experience in the sheet metal industry and by working together with our customers, we have developed easy to use software solutions designed to meet the industry requirements. AMADA software solutions increase customer productivity through integrated development with AMADA machines and an emphasis on virtual prototyping and simulation systems.

Our VPSS 4ie CAD/CAM software helps you virtually simulate the production process, identify potential issues and make adjustments before manufacturing. With our solutions, you can maximise quality and increase efficiency whilst minimising waste. The fully automated and optimised software can also be used by less experienced operators.



VPSS 4ie EU Blank Solution Pack



VPSS 4ie EU Bend Solution Pack



VPSS 4ie EU Tube Solution Pack

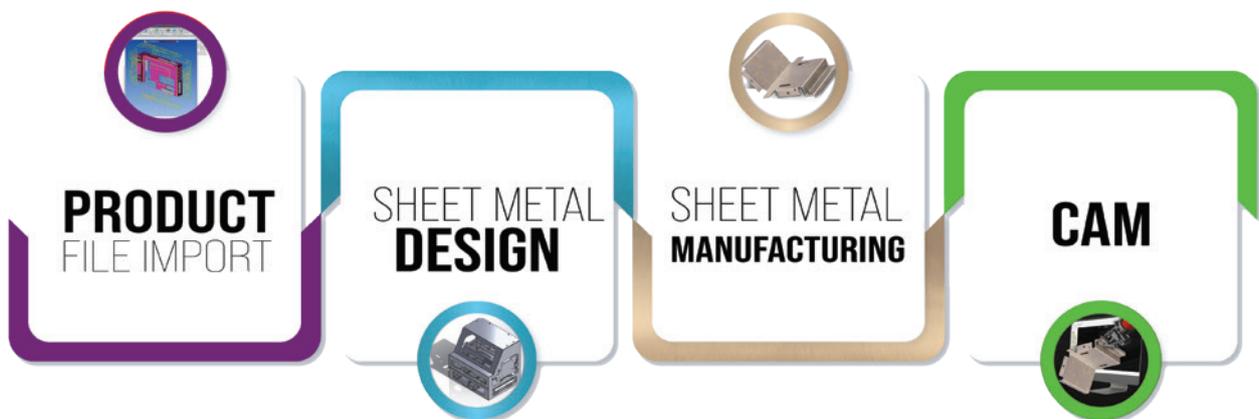


VPSS 4ie EU Robot Solution Pack



VPSS 4ie EU Weld Solution Pack

**VPSS 4ie Suite, from design to production-ready in four simple steps**



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