

ENGINEERING UNDERSTANDING. NATIVE EXECUTION.

From P&ID to native SOLIDWORKS assembly.

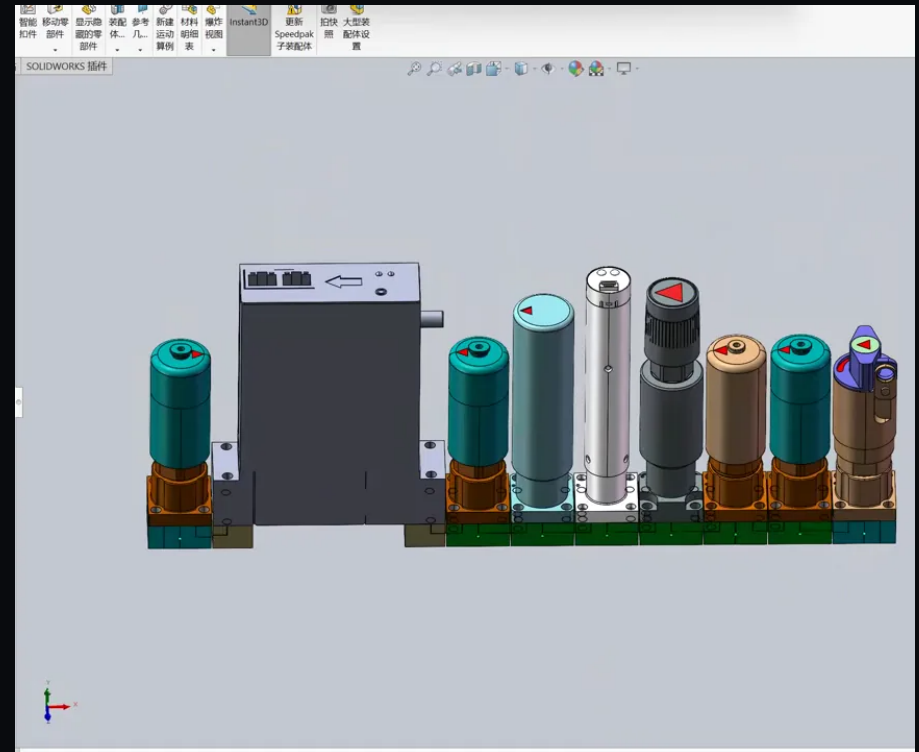
Understand the process. Understand the parts.

Plan the layout. Build the assembly.

Your component library.

Your engineering rules.

An editable native CAD result.



SOLIDWORKS assembly execution

Still from MST's recorded product demonstration.

[Explore MST](#)

Understand the process. Understand the parts.

MST connects what the gas system must do with how its physical components connect.

P&ID process principles

Read the engineering meaning of the diagram.

- Equipment roles and relationships
- Gas-path connections and flow direction
- The connection requirements for the physical system

Native model gas-path features

Interpret the customer's actual component models.

- Process ports, positions and directions
- Sealing contacts and physical interfaces
- Qualified connection features and relationships

ENGINEERING CORRESPONDENCE

Link the diagram's device and connection requirements to the right native components and interfaces.

Make the engineering intent work in physical space.

MST plans placement and connections before asking CAD to build the assembly.

PROCESS CONNECTIONS

Arrange components around the required gas-path relationships.

PHYSICAL CONSTRAINTS

Work with the agreed space, orthogonal layout rules and supported orientations.

COMPONENT INTERFACES

Use model ports and connection features to inform the assembly plan.

Process + component knowledge

LAYOUT

Positions and orientations

CONNECTIONS

Interfaces and gas paths

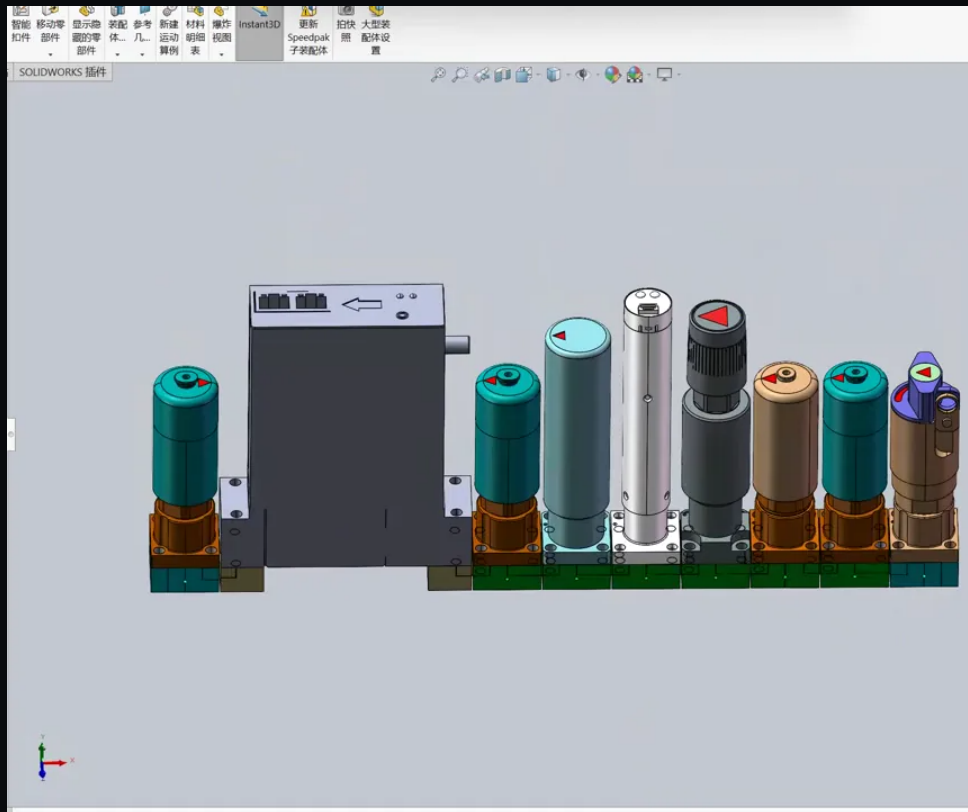
ASSEMBLY PLAN

Native CAD instructions

Engineering workflow illustration

Your parts. A native, editable result.

MST is the engineering decision layer. SOLIDWORKS is the execution tool.



Recorded product demonstration

Use your approved native components

Keep the authorized component library at the center of the workflow.

Execute through a customer-side Agent

A Windows Agent operates SOLIDWORKS to carry out the assembly plan.

Review the native assembly

Inspect the editable result and the checks agreed for your engineering task.

Watch the 92-second demo

Put less engineering effort into repeated assembly work.

Use engineering understanding and reusable component knowledge across supported equipment variants.

THE REPEATED WORK	HOW MST HELPS
Interpreting diagrams for CAD handoff	Connect P&ID principles to native model gas-path and interface features.
Rebuilding assemblies component by component	Drive SOLIDWORKS from the engineering plan using approved native parts.
Reworking placement and connections	Plan physical layout against process requirements and supported spatial rules.
Starting from scratch for the next variant	Reuse qualified component families, interfaces and engineering rules.

Initial application: configured gas-system and semiconductor process-equipment modules.

Bring your next assembly challenge.

Show us the work your team repeats.

See how MST connects understanding, layout and native assembly.

01 / DESCRIBE THE TASK

Equipment category, CAD environment and desired result.

02 / REVIEW THE WORKFLOW

Agree the component-library scope and deployment needs.

03 / SEE YOUR NEXT STEP

Arrange a demonstration or a scoped technical evaluation.

Request a demonstration

mst-us.ai/product

sales@mst-us.ai

Start with a non-confidential description. Component-family support and deployment scope are agreed with your team.

Engineers retain review and release authority. SOLIDWORKS is a trademark or registered trademark of Dassault Systèmes or its subsidiaries.