ASMPT enabling the digital world

ASMPT
SMT Solutions

Target group-oriented eLearning

ASMPT enabling the digital world

Technical

Using CAD graphics and animations provides an overview of machines, heads, and parts. This enables learning the main subsystems, understanding their functionalities, and performing part exchanges. To enhance knowledge of part exchanges through practical experience, most technical trainings include VR 2D learning modules.

Software

Initially, an overview of the theoretical background of the software is provided. Following this, the learning process begins with guided steps. To reinforce understanding, a practical exercise will follow. In this exercise, the learner is assigned a task to work through independently in a realistic simulation of the software.

Maintenance

Short lessons and real-time visualizations provide detailed information on what needs to be done, why it needs to be done, and which tools and consumables are required. Tasks are displayed with step-by-step instructions, enabling the learner to apply the knowledge directly to their machines and heads.

Operation

In short lessons, learners will be taught operational tasks step by step. A checklist will guide them through each operational step. There are various courses available for different tasks, including machine start-up, shutdown, splicing different tapes, and setting up various feeders and stencils.

Virtual Reality

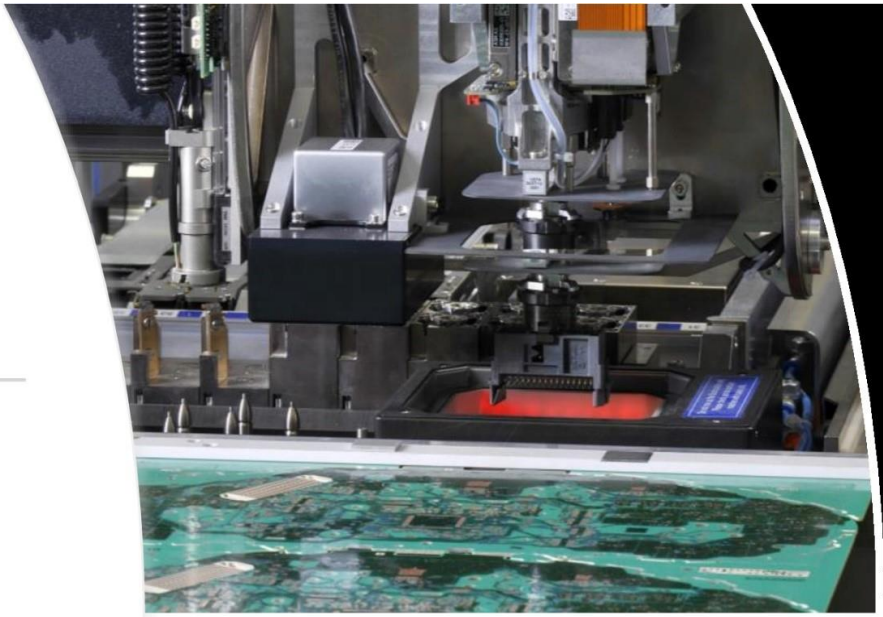
For those needing practical experience or a knowledge refresher, virtual training rooms are available. Learners can practice on machines, train workflows, and carry out assembly and disassembly steps as often as needed, anytime and anywhere, through 2D and 3D Virtual Reality courses. This allows knowledge acquisition without the risk of equipment damage. Virtual training rooms can be accessed in 2D on a computer via mouse navigation or in 3D using a powerful computer with a controller and compatible VR glasses.

Devices for Virtual Reality 3D

- Oculus / Meta Rift S bzw. Quest 2
- HTC Vive (Pro) / Vive Cosmos
- Windows Mixed Reality (e.g., HP Reverb G2)

X - contained in Unlimited Package; content depends on purchased package F - Learning Package (Free)

Placement Solutions



X	F	General	Duration	EN	DE	ZH-CN	ES-MX	CZE	FR	HUN	KOR	RO	THA	VIE
		Technical												
		Technical Electrical Test after Setup	00:20:00	x	-	-	-	-	-	-	-	-	-	-
		Remote Smart Factory Technical: Smart FSE	00:20:00	x	-	-	-	-	-	-	-	-	-	-

X	F	Placement Head C&P20 X	Duration	EN	DE	ZH-CN	ES-MX	CZE	FR	HUN	KOR	RO	THA	VIE
		Maintenance												
x	x	SIPLACE C&P20 P/M2 Maintenance	00:30:00	x	x	x	-	x	x	x	-	x	-	-
x	x	SIPLACE C&P20 P2 Maintenance	00:40:00	x	x	x	-	x	x	x	-	x	-	-
		Technical												
x		SIPLACE C&P20 P Technical: Upgrade to C&P20 P2	00:10:00	x	-	x	-	-	-	-	-	-	-	-
x	x	SIPLACE C&P20 P2 Technical: Calibration	00:20:00	x	x	x	-	-	-	-	-	-	-	-
x		SIPLACE C&P20 P2 Technical: Component Camera	00:10:00	x	x	x	-	-	-	-	-	-	-	-
x		SIPLACE C&P20 P2 Technical: Component Sensor (incl. VR 2D Learn)	00:20:00	x	x	x	-	-	-	-	-	-	-	-
x		SIPLACE C&P20 P2 Technical: DP Drive (incl. VR 2D Learn)	00:20:00	x	x	x	-	-	-	-	-	-	-	-
x	x	SIPLACE C&P20 P2 Technical: Exchange (incl. VR 2D Learn)	00:20:00	x	x	x	-	-	-	-	-	-	-	-
x		SIPLACE C&P20 P2 Technical: Intermediate Distributor	00:15:00	x	x	x	-	-	-	-	-	-	-	-
x	x	SIPLACE C&P20 P2 Technical: Introduction	00:15:00	x	x	x	-	-	-	-	-	-	-	-
x		SIPLACE C&P20 P2 Technical: Orifice Plate (incl. VR 2D Learn)	00:20:00	x	x	x	-	-	-	-	-	-	-	-
x		SIPLACE C&P20 P2 Technical: Placement	00:20:00	x	x	x	-	-	-	-	-	-	-	-
x		SIPLACE C&P20 P2 Technical: Power and Communication	00:15:00	x	x	x	-	-	-	-	-	-	-	-
x		SIPLACE C&P20 P2 Technical: Pressure Regulator Valve (incl. VR 2D Learn)	00:20:00	x	x	x	-	-	-	-	-	-	-	-
x		SIPLACE C&P20 P2 Technical: Reference	00:15:00	x	x	x	-	-	-	-	-	-	-	-
x		SIPLACE C&P20 P2 Technical: Return Unit (incl. VR 2D Learn)	00:20:00	x	x	x	-	-	-	-	-	-	-	-
x		SIPLACE C&P20 P2 Technical: Star Assembly	00:15:00	x	x	x	-	-	-	-	-	-	-	-
x		SIPLACE C&P20 P2 Technical: Vacuum System	00:20:00	x	x	x	-	-	-	-	-	-	-	-
x		SIPLACE C&P20 P2 Technical: Z-Axis (incl. VR 2D Learn)	00:20:00	x	x	x	-	-	-	-	-	-	-	-
		VR												
x		VR 2D Explore - SIPLACE C&P20 P2 Head	00:20:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 3D Explore - SIPLACE C&P20 P2 Head	00:20:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 2D Learn - Replacing a SIPLACE C&P20 P2 DP Drive	00:20:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 3D Learn - Replacing a SIPLACE C&P20 P2 DP Drive	00:20:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 2D Learn - Replacing a SIPLACE C&P20 P2 Head	00:20:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 3D Learn - Replacing a SIPLACE C&P20 P2 Head	00:20:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 2D Learn - Replacing a SIPLACE C&P20 P2 Orifice Plate	00:20:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 3D Learn - Replacing a SIPLACE C&P20 P2 Orifice Plate	00:20:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 2D Learn - Replacing a SIPLACE C&P20 P2 Pressure Regulator Valve	00:20:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 3D Learn - Replacing a SIPLACE C&P20 P2 Pressure Regulator Valve	00:20:00	x	-	-	-	-	-	-	-	-	-	-

X	F	Placement Head CPP	Duration	EN	DE	ZH-CN	ES-MX	CZE	FR	HUN	KOR	RO	THA	VIE
		Maintenance												
x	x	SIPLACE CPP Maintenance	00:30:00	x	x	x	-	x	x	x	-	x	-	-
		Technical												
x	x	SIPLACE CPP Technical: Calibration	00:20:00	x	x	x	-	-	-	-	-	-	-	-
x		SIPLACE CPP Technical: Component Camera	00:10:00	x	x	x	-	-	-	-	-	-	-	-
x		SIPLACE CPP Technical: Component Sensor (incl. VR 2D Learn)	00:20:00	x	x	x	-	-	-	-	-	-	-	-
x		SIPLACE CPP Technical: DP Drive (incl. VR 2D Learn)	00:20:00	x	x	x	-	-	-	-	-	-	-	-
x	x	SIPLACE CPP Technical: Exchange (incl. VR 2D Learn)	00:20:00	x	x	x	-	-	-	-	-	-	-	-
x		SIPLACE CPP Technical: Holding Circuit Unit (incl. VR 2D Learn)	00:20:00	x	x	x	-	-	-	-	-	-	-	-
x		SIPLACE CPP Technical: Intermediate Distributor	00:15:00	x	x	x	-	-	-	-	-	-	-	-
x	x	SIPLACE CPP Technical: Introduction	00:15:00	x	x	x	-	-	-	-	-	-	-	-
x		SIPLACE CPP Technical: Placement	00:20:00	x	x	x	-	-	-	-	-	-	-	-
x		SIPLACE CPP Technical: Power and Communication	00:15:00	x	x	x	-	-	-	-	-	-	-	-
x		SIPLACE CPP Technical: Pressure Regulator Valve (incl. VR 2D Learn)	00:20:00	x	x	x	-	-	-	-	-	-	-	-
x		SIPLACE CPP Technical: Reference	00:15:00	x	x	x	-	-	-	-	-	-	-	-
x		SIPLACE CPP Technical: Return Unit	00:20:00	x	x	x	-	-	-	-	-	-	-	-
x		SIPLACE CPP Technical: Star Assembly (incl. VR 2D Learn)	00:20:00	x	x	x	-	-	-	-	-	-	-	-
x		SIPLACE CPP Technical: Vacuum System	00:20:00	x	x	x	-	-	-	-	-	-	-	-
x		SIPLACE CPP Technical: Z-Axis (incl. VR 2D Learn)	00:20:00	x	x	x	-	-	-	-	-	-	-	-
		VR												
x		VR 2D Explore - SIPLACE CPP Head	00:20:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 3D Explore - SIPLACE CPP Head	00:20:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 2D Learn - Replacing a SIPLACE CPP DP Drive	00:15:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 3D Learn - Replacing a SIPLACE CPP DP Drive	00:15:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 2D Learn - Replacing a SIPLACE CPP DP Linear Guide	00:15:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 3D Learn - Replacing a SIPLACE CPP DP Linear Guide	00:15:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 2D Learn - Replacing a SIPLACE CPP Front Plate	00:15:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 3D Learn - Replacing a SIPLACE CPP Front Plate	00:15:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 2D Learn - Replacing a SIPLACE CPP Head	00:20:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 3D Learn - Replacing a SIPLACE CPP Head	00:20:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 2D Learn - Replacing a SIPLACE CPP Holding Circuit	00:15:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 3D Learn - Replacing a SIPLACE CPP Holding Circuit	00:15:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 2D Learn - Replacing a SIPLACE CPP Pressure Regulator Valve	00:15:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 3D Learn - Replacing a SIPLACE CPP Pressure Regulator Valve	00:15:00	x	-	-	-	-	-	-	-	-	-	-

X	F	Placement Head TH	Duration	EN	DE	ZH-CN	ES-MX	CZE	FR	HUN	KOR	RO	THA	VIE
		Maintenance												
x	x	SIPLACE TwinHead Maintenance	00:30:00	x	x	x	-	x	x	x	-	x	-	-
		Technical												
x	x	SIPLACE TwinHead Technical: Calibration	00:20:00	x	x	x	-	-	-	-	-	-	-	-
x		SIPLACE TwinHead Technical: Component Camera	00:15:00	x	x	x	-	-	-	-	-	-	-	-
x		SIPLACE TwinHead Technical: D-Axis (incl. VR 2D Learn)	00:15:00	x	x	x	-	-	-	-	-	-	-	-
x	x	SIPLACE TwinHead Technical: Exchange (incl. VR 2D Learn)	00:20:00	x	x	x	-	-	-	-	-	-	-	-
x		SIPLACE TwinHead Technical: Head Board (incl. VR 2D Learn)	00:15:00	x	x	x	-	-	-	-	-	-	-	-
x	x	SIPLACE TwinHead Technical: Introduction	00:15:00	x	x	x	-	-	-	-	-	-	-	-
x		SIPLACE TwinHead Technical: Placement	00:20:00	x	x	x	-	-	-	-	-	-	-	-
x		SIPLACE TwinHead Technical: Power and Communication	00:15:00	x	x	x	-	-	-	-	-	-	-	-
x		SIPLACE TwinHead Technical: Pressure Regulator Valve (incl. VR 2D Learn)	00:15:00	x	x	x	-	-	-	-	-	-	-	-
x		SIPLACE TwinHead Technical: Reference	00:20:00	x	x	x	-	-	-	-	-	-	-	-
x		SIPLACE TwinHead Technical: Return Unit (incl. VR 2D Learn)	00:15:00	x	x	x	-	-	-	-	-	-	-	-
x		SIPLACE TwinHead Technical: Vacuum System	00:15:00	x	x	x	-	-	-	-	-	-	-	-
x		SIPLACE TwinHead Technical: Z-Axis	00:15:00	x	x	x	-	-	-	-	-	-	-	-
		VR												
x		VR 2D Learn - Replacing a SIPLACE TwinHead	00:15:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 3D Learn - Replacing a SIPLACE TwinHead	00:15:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 2D Learn - Replacing a SIPLACE TwinHead Pneumatic Spin Supply	00:15:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 3D Learn - Replacing a SIPLACE TwinHead Pneumatic Spin Supply	00:15:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 2D Learn - Replacing a SIPLACE TwinHead Pressure Regulator Valve	00:15:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 3D Learn - Replacing a SIPLACE TwinHead Pressure Regulator Valve	00:15:00	x	-	-	-	-	-	-	-	-	-	-

X	F	SIPLACE TX-Series	Duration	EN	DE	ZH-CN	ES-MX	CZE	FR	HUN	KOR	RO	THA	VIE
		Maintenance												
x	x	SIPLACE TX-Series Maintenance - Workflow 1	00:40:00	x	x	x	-	x	x	x	-	x	-	-
x	x	SIPLACE TX-Series Maintenance - Workflow 2	00:20:00	x	x	x	-	x	x	x	-	x	-	-
x	x	SIPLACE TX-Series Maintenance - Workflow 3	00:20:00	x	x	x	-	x	x	x	-	x	-	-
x	x	SIPLACE TX-Series Maintenance - Workflow 4	00:20:00	x	x	x	-	x	x	x	-	x	-	-
		Operation												
x	x	SIPLACE TX-Series Operation: Machine Overview	00:07:00	x	x	x	x	x	x	x	x	-	-	x
		Technical												
x		SIPLACE TX-Series Micron Technical: Introduction	00:15:00	x	-	x	-	-	-	-	-	-	-	-
x		SIPLACE TX-Series Technical: Component Supply (incl. VR 2D Learn)	00:20:00	x	x	x	-	-	-	-	-	-	-	-
x		SIPLACE TX-Series Technical: Gantry System (incl. VR 2D Learn)	00:20:00	x	x	x	-	-	-	-	-	-	-	-
x	x	SIPLACE TX-Series Technical: Introduction	00:10:00	x	-	x	-	-	-	-	-	-	-	-
x		SIPLACE TX-Series Technical: Power and Communication (incl. VR 2D Learn)	00:15:00	x	x	x	-	-	-	-	-	-	-	-
x		SIPLACE TX-Series Technical: Transport System (incl. VR 2D Learn)	00:20:00	x	x	x	-	-	-	-	-	-	-	-
x	x	SIPLACE TX-Series V1 Technical: Upgrade to TX-Series V2	00:20:00	x	-	x	-	-	-	-	-	-	-	-
		VR												
x		VR 2D Explore - SIPLACE TX-Series Micron	00:20:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 3D Explore - SIPLACE TX-Series Micron	00:20:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 2D Explore - SIPLACE TX-Series	00:20:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 3D Explore - SIPLACE TX-Series	00:20:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 2D Learn - Replacing a SIPLACE TX-Series AC/DC Converter	00:15:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 3D Learn - Replacing a SIPLACE TX-Series AC/DC Converter	00:15:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 2D Learn - Replacing a SIPLACE TX-Series Conveyor Drive	00:15:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 3D Learn - Replacing a SIPLACE TX-Series Conveyor Drive	00:15:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 2D Learn - Replacing a SIPLACE TX-Series Proportional Controller	00:15:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 3D Learn - Replacing a SIPLACE TX-Series Proportional Controller	00:15:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 2D Learn - Replacing a SIPLACE TX-Series Short Stroke Cylinder	00:15:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 3D Learn - Replacing a SIPLACE TX-Series Short Stroke Cylinder	00:15:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 2D Learn - Replacing a SIPLACE TX-Series Slim FCU	00:15:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 3D Learn - Replacing a SIPLACE TX-Series Slim FCU	00:15:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 2D Learn - Replacing a SIPLACE TX-Series Y-Axis Incremental Encoder	00:15:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 3D Learn - Replacing a SIPLACE TX-Series Y-Axis Incremental Encoder	00:15:00	x	-	-	-	-	-	-	-	-	-	-

X	F	SIPLACE Tray Unit	Duration	EN	DE	ZH-CN	ES-MX	CZE	FR	HUN	KOR	RO	THA	VIE
		Maintenance												
x	x	SIPLACE Tray Unit Maintenance	00:10:00	x	-	-	-	-	-	-	-	-	-	-
		Operation												
x	x	SIPLACE Tray Unit Operation	00:10:00	x	-	x	-	-	-	-	-	-	-	-
x	x	SIPLACE Tray Unit Operation: Basic	00:05:00	x	-	x	-	-	-	-	-	-	-	-
		Programming												
x		SIPLACE Tray Unit Programming	00:12:00	x	-	x	-	-	-	-	-	-	-	-
		Technical												
x		SIPLACE Tray Unit Technical	00:25:00	x	-	x	-	-	-	-	-	-	-	-
		VR												
x		VR 2D Explore - SIPLACE Tray Unit	00:20:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 3D Explore - SIPLACE Tray Unit	00:20:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 2D Learn - Replacing a SIPLACE Tray Unit Analog Inductive Sensor	00:20:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 3D Learn - Replacing a SIPLACE Tray Unit Analog Inductive Sensor	00:20:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 2D Learn - Replacing a SIPLACE Tray Unit Blocker Motors	00:20:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 3D Learn - Replacing a SIPLACE Tray Unit Blocker Motors	00:20:00	x	-	-	-	-	-	-	-	-	-	-

X	F	SIPLACE SX-Series	Duration	EN	DE	ZH-CN	ES-MX	CZE	FR	HUN	KOR	RO	THA	VIE
		Maintenance												
x	x	SIPLACE SX-Series Maintenance - Workflow 1	00:20:00	x	x	x	-	x	x	x	-	x	-	-
x	x	SIPLACE SX-Series Maintenance - Workflow 2	00:20:00	x	x	x	-	x	x	x	-	x	-	-
x	x	SIPLACE SX-Series Maintenance - Workflow 3	00:20:00	x	x	x	-	x	x	x	-	x	-	-
x	x	SIPLACE SX-Series Maintenance - Workflow 4	00:20:00	x	x	x	-	x	x	x	-	x	-	-
		Operation												
x	x	SIPLACE SX-Series Operation: Machine Overview	00:07:00	x	x	x	x	x	x	x	x	x	x	x
		Technical												
x		SIPLACE SX-Series Technical: Component Supply (incl. VR 2D Learn)	00:20:00	x	x	x	-	-	-	-	-	-	-	-
x		SIPLACE SX-Series Technical: Gantry System (incl. VR 2D Learn)	00:20:00	x	x	x	-	-	-	-	-	-	-	-
x	x	SIPLACE SX-Series Technical: Introduction	00:10:00	x	x	x	-	-	-	-	-	-	-	-
x		SIPLACE SX-Series Technical: Power and Communication (incl. VR 2D Learn)	00:20:00	x	x	x	-	-	-	-	-	-	-	-
x		SIPLACE SX-Series Technical: SmartCOT	00:20:00	x	-	x	-	-	-	-	-	-	-	-
x		SIPLACE SX-Series Technical: Transport System (incl. VR 2D Learn)	00:20:00	x	x	x	-	-	-	-	-	-	-	-
x	x	SIPLACE SX-Series V2 Technical: Upgrade to SX-Series V3	00:20:00	x	x	x	-	-	-	-	-	-	-	-
		VR												
x		VR 2D Explore - SIPLACE SX-Series	00:20:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 3D Explore - SIPLACE SX-Series	00:20:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 2D Learn - Replacing a SIPLACE SX-Series Conveyor Drive	00:15:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 3D Learn - Replacing a SIPLACE SX-Series Conveyor Drive	00:15:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 2D Learn - Replacing a SIPLACE SX-Series FCU	00:15:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 3D Learn - Replacing a SIPLACE SX-Series FCU	00:15:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 2D Learn - Replacing a SIPLACE SX-Series MGCU	00:15:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 3D Learn - Replacing a SIPLACE SX-Series MGCU	00:15:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 2D Learn - Replacing a SIPLACE SX-Series X-Axis Incremental Encoder	00:15:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 3D Learn - Replacing a SIPLACE SX-Series X-Axis Incremental Encoder	00:15:00	x	-	-	-	-	-	-	-	-	-	-

X	F	SIPLACE X-Series S	Duration	EN	DE	ZH-CN	ES-MX	CZE	FR	HUN	KOR	RO	THA	VIE
		Maintenance												
x	x	SIPLACE X-Series S Maintenance - Workflow 1	00:20:00	x	x	x	-	x	x	x	-	-	-	-
x	x	SIPLACE X-Series S Maintenance - Workflow 2	00:20:00	x	x	x	-	x	x	x	-	-	-	-
x	x	SIPLACE X-Series S Maintenance - Workflow 3	00:20:00	x	x	x	-	x	x	x	-	-	-	-
x	x	SIPLACE X-Series S Maintenance - Workflow 4	00:20:00	x	x	x	-	x	x	x	-	-	-	-
		Operation												
x	x	SIPLACE X-Series S Operation: Machine Overview	00:07:00	x	x	x	x	x	x	x	x	-	-	x
		Technical												
x		SIPLACE X-Series S Technical: Component Supply (incl. VR 2D Learn)	00:20:00	x	x	x	-	-	-	-	-	-	-	-
x		SIPLACE X-Series S Technical: Gantry System (incl. VR 2D Learn)	00:20:00	x	x	x	-	-	-	-	-	-	-	-
x	x	SIPLACE X-Series S Technical: Introduction	00:10:00	x	-	x	-	-	-	-	-	-	-	-
x		SIPLACE X-Series S Technical: Power and Communication (incl. VR 2D Learn)	00:15:00	x	x	x	-	-	-	-	-	-	-	-
x		SIPLACE X-Series S Technical: Transport System (incl. VR 2D Learn)	00:20:00	x	x	x	-	-	-	-	-	-	-	-
		VR												
x		VR 2D Learn - Replacing a SIPLACE X-Series S AC/DC Converter	00:20:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 3D Learn - Replacing a SIPLACE X-Series S AC/DC Converter	00:20:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 2D Learn - Replacing a SIPLACE X-Series S FCU	00:20:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 3D Learn - Replacing a SIPLACE X-Series S FCU	00:20:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 2D Learn - Replacing a SIPLACE X-Series S Lifting Table Motor	00:20:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 3D Learn - Replacing a SIPLACE X-Series S Lifting Table Motor	00:20:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 2D Learn - Replacing a SIPLACE X-Series S X-Axis Incremental Encoder	00:20:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 3D Learn - Replacing a SIPLACE X-Series S X-Axis Incremental Encoder	00:20:00	x	-	-	-	-	-	-	-	-	-	-

X	F	SIPLACE Operation	Duration	EN	DE	ZH-CN	ES-MX	CZE	FR	HUN	KOR	RO	THA	VIE
		Feeder												
x	x	SIPLACE Operation: Setup 12 mm - 104 Feeder	00:10:00	x	x	x	x	x	x	x	x	x	x	x
x	x	SIPLACE Operation: Setup 8 mm Smart Feeder	00:10:00	x	x	x	x	x	x	x	x	x	x	x
x	x	SIPLACE Operation: Teardown Feeder 16 mm	00:10:00	x	-	x	-	-	-	-	-	-	-	-
x	x	SIPLACE Operation: Teardown Feeder 2T8	00:10:00	x	-	x	-	-	-	-	-	-	-	-
x	x	SIPLACE Operation: Setup Online Changeover	00:10:00	x	x	x	x	x	x	x	x	x	x	x
		Machine												
x	x	SMT Operation: Overview	00:04:00	x	x	x	-	x	x	x	x	x	x	x
x	x	SIPLACE Operation: Machine	00:04:00	x	x	x	x	x	x	x	x	x	x	x
x	x	SIPLACE Operation: Machine Safety	00:15:00	x	x	x	x	x	x	x	x	x	x	x
		Recovery												
x	x	SIPLACE Operation: Recovery Component on Nozzle	00:10:00	x	x	x	x	x	x	x	x	x	x	x
x	x	SIPLACE Operation: Recovery Fiducials	00:10:00	x	x	x	x	x	x	x	x	x	x	x
x	x	SIPLACE Operation: Recovery Foil Torn	00:10:00	x	x	x	x	x	x	x	x	x	x	x
		Splicing												
x	x	SIPLACE Operation: Multiframe Splice Tool	00:10:00	x	x	x	x	x	x	x	x	x	x	x
x	x	SIPLACE Operation: Online Splicing	00:10:00	x	x	x	x	x	x	x	x	x	x	x
x	x	SIPLACE Operation: Splicing 4-8 mm Tape	00:10:00	x	x	x	x	x	x	x	x	x	x	x
x	x	SIPLACE Operation: Splicing Large Tape	00:10:00	x	x	x	x	x	x	x	x	x	x	x

X	F	SIPLACE Head Verification	Duration	EN	DE	ZH-CN	ES-MX	CZE	FR	HUN	KOR	RO	THA	VIE
		Technical												
x		SIPLACE Head Verification Technical	00:20:00	x	-	x	-	-	-	-	-	-	-	-

X	F	Generic	Duration	EN	DE	ZH-CN	ES-MX	CZE	FR	HUN	KOR	RO	THA	VIE
x		SIPLACE Machine Safety Technical	00:20:00	x	-	x	-	-	-	-	-	-	-	-
x		SIPLACE Station Software: Maintenance GUI	00:20:00	x	-	x	-	-	-	-	-	-	-	-
		ASMPT Basic Networking and Troubleshooting	00:00:00	x	-	-	-	-	-	-	-	-	-	-
X	F	SIPLACE Glue Feeder	Duration	EN	DE	ZH-CN	ES-MX	CZE	FR	HUN	KOR	RO	THA	VIE
		Operation												
x	x	SIPLACE Glue Feeder Operation	00:10:00	x	-	x	-	-	-	-	-	-	-	-
		Technical												
x		SIPLACE Glue Feeder Technical: Station Software	00:10:00	x	-	x	-	-	-	-	-	-	-	-

X	F	SIPLACE Hermes Standard	Duration	EN	DE	ZH-CN	ES-MX	CZE	FR	HUN	KOR	RO	THA	VIE
		Technical												
x		SIPLACE Hermes Standard Technical	00:20:00	x	-	x	-	-	-	-	-	-	-	-

X	F	SIPLACE JTF-ML2	Duration	EN	DE	ZH-CN	ES-MX	CZE	FR	HUN	KOR	RO	THA	VIE
		Maintenance												
x		SIPLACE JTF-ML2 Maintenance - Workflow 1	00:20:00	x	-	-	-	-	-	-	-	-	-	-
x		SIPLACE JTF-ML2 Maintenance - Workflow 2	00:20:00	x	-	-	-	-	-	-	-	-	-	-
x		SIPLACE JTF-ML2 Maintenance - Workflow 3	00:20:00	x	-	-	-	-	-	-	-	-	-	-

		Operation												
x	x	SIPLACE JTF-ML2 Operation	00:15:00	x	-	-	-	-	-	-	-	-	-	-
x		SIPLACE JTF-ML2 Operation: Basic	00:05:00	x	-	-	-	-	-	-	-	-	-	-
x	x	SIPLACE JTF-ML2 Operation: Refill	00:07:00	x	-	x	-	-	-	-	-	-	-	-
		Programming												
		SIPLACE JTF-ML2 Programming	00:15:00	-	-	-	-	-	-	-	-	-	-	-
		Technical												
x		SIPLACE JTF-ML2 Technical	00:25:00	x	-	x	-	-	-	-	-	-	-	-

X	F	Linear Dipping Unit	Duration	EN	DE	ZH-CN	ES-MX	CZE	FR	HUN	KOR	RO	THA	VIE
		Operation												
x	x	SIPLACE Linear Dipping Unit 2X Auto Cavity Operation	00:15:00	x	-	x	-	-	-	-	-	-	-	-
x	x	SIPLACE Linear Dipping Unit 2X Operation	00:15:00	x	-	x	-	-	-	-	-	-	-	-
x	x	SIPLACE Linear Dipping Unit E Operation	00:15:00	x	-	x	-	-	-	-	-	-	-	-
		Programming												
x		SIPLACE Linear Dipping Unit 2X Programming	00:20:00	x	-	x	-	-	-	-	-	-	-	-
x		SIPLACE Linear Dipping Unit 2X Auto Cavity Programming	00:20:00	x	-	-	-	-	-	-	-	-	-	-
x		SIPLACE Linear Dipping Unit E Programming	00:20:00	x	x	x	-	-	-	-	-	-	-	-
		Technical												
x		SIPLACE Linear Dipping Unit 2X Technical	00:30:00	x	-	x	-	-	-	-	-	-	-	-
x		SIPLACE Linear Dipping Unit 2X Auto Cavity Technical	00:30:00	x	-	x	-	-	-	-	-	-	-	-
x		SIPLACE Linear Dipping Unit E Technical	00:30:00	x	-	x	-	-	-	-	-	-	-	-

X	F	SIPLACE Measuring Feeder X	Duration	EN	DE	ZH-CN	ES-MX	CZE	FR	HUN	KOR	RO	THA	VIE
		Operation												
x	x	SIPLACE Measuring Feeder X Operation	00:20:00	x	-	x	-	-	-	-	-	-	-	-
		Programming												
x		SIPLACE Measuring Feeder X Programming	00:15:00	x	-	x	-	-	-	-	-	-	-	-
		Technical												
x		SIPLACE Measuring Feeder X Technical	00:20:00	x	-	x	-	-	-	-	-	-	-	-

X	F	SIPLACE Nozzle Cleaning Station	Duration	EN	DE	ZH-CN	ES-MX	CZE	FR	HUN	KOR	RO	THA	VIE
		Operation												
x	x	SIPLACE Nozzle Cleaning Station Operation	00:05:00	x	-	-	-	-	-	-	-	-	-	-

X	F	SIPLACE Nozzle Changer Setup	Duration	EN	DE	ZH-CN	ES-MX	CZE	FR	HUN	KOR	RO	THA	VIE
		Operation												
x	x	SIPLACE Operation: Nozzle Changer Setup	00:10:00	x	-	-	-	-	-	-	x	-	x	x

X	F	SIPLACE Power Connector X	Duration	EN	DE	ZH-CN	ES-MX	CZE	FR	HUN	KOR	RO	THA	VIE
		Operation												
x	x	SIPLACE Operation: PowerConnector X	00:05:00	x	-	-	-	-	-	-	-	-	-	-

Printing Solutions

X	F	DEK Horizon-Series	Duration	EN	DE	ZH-CN	ES-MX	CZE	FR	HUN	KOR	RO	THA	VIE
		Maintenance												
x	x	DEK Horizon-Series Maintenance - Workflow 1	00:20:00	x	x	x	-	x	x	-	-	-	-	-
x	x	DEK Horizon-Series Maintenance - Workflow 2	00:20:00	x	x	x	-	x	x	-	-	-	-	-
x	x	DEK Horizon-Series Maintenance - Workflow 3	00:20:00	x	x	x	-	x	x	-	-	-	-	-
x	x	DEK Horizon-Series Maintenance - Workflow 4	00:20:00	x	x	x	-	x	x	-	-	-	-	-
		Operation												
x	x	DEK Horizon-Series Operation	00:10:00	x	x	x	-	-	x	x	x	-	-	x
x	x	DEK Horizon-Series Operation: Consumables Blue Cleaner Fabric Replenish	00:15:00	x	x	x	-	-	x	x	x	-	-	x
x	x	DEK Horizon-Series Operation: Consumables Cyclone Fabric	00:15:00	x	x	x	-	-	-	x	x	-	-	x
x	x	DEK Horizon-Series Operation: Machine Overview	00:10:00	x	x	x	-	-	x	x	x	-	-	x
x	x	DEK Horizon-Series Operation: Recovery	00:15:00	x	x	x	-	-	x	x	x	-	-	x
x	x	DEK Horizon-Series Operation: Safety	00:15:00	x	x	x	-	-	x	x	x	-	-	x
		Technical												
x		DEK Process Foundation Hardware Technical	01:00:00	x	-	-	-	-	-	-	-	-	-	-
x		DEK Top Mounted Temperature Control Module (TCM) Technical	00:40:00	x	-	-	-	-	-	-	-	-	-	-

X	F	DEK TQ-Series	Duration	EN	DE	ZH-CN	ES-MX	CZE	FR	HUN	KOR	RO	THA	VIE
		Maintenance												
x	x	DEK TQ-Series Maintenance - Workflow 1	00:15:00	x	x	x	-	x	x	-	-	x	-	-
x	x	DEK TQ-Series Maintenance - Workflow 2	00:15:00	x	x	x	-	x	x	-	-	x	-	-
x	x	DEK TQ-Series Maintenance - Workflow 3	00:15:00	x	x	x	-	x	x	-	-	x	-	-
x	x	DEK TQ-Series Maintenance - Workflow 4	00:15:00	x	x	x	-	x	x	-	-	x	-	-
		Operation												
x	x	DEK TQ-Series Operation	00:10:00	x	x	x	-	-	x	x	x	-	-	-
x	x	DEK TQ-Series Operation: Consumables	00:15:00	x	x	x	-	-	x	x	x	-	-	-
x	x	DEK TQ-Series Operation: Machine Overview	00:10:00	x	x	x	-	-	-	x	x	-	-	-
x		DEK TQ-Series Operation: Product Changeover	00:20:00	x	-	x	-	-	-	-	x	-	-	-
x	x	DEK TQ-Series Operation: Recovery	00:15:00	x	x	x	-	-	x	x	x	-	-	-
x	x	DEK TQ-Series Operation: Safety	00:15:00	x	x	x	-	-	x	x	x	-	-	-
		Software												
x		DEK TQ-Series Software Programming	00:30:00	x	-	-	-	-	-	-	-	-	-	-
x		DEK TQ-Series V1.24 Software: Programming	00:30:00	x	-	-	-	-	-	-	-	-	-	-
		Technical												
x		DEK TQ-Series Technical: All Purpose Clamping (incl. VR 2D Learn)	00:25:00	x	-	x	-	-	-	-	-	-	-	-
x		DEK TQ-Series Technical: Calibration Conveyor Offset	00:20:00	x	-	-	-	-	-	-	-	-	-	-
x		DEK TQ-Series Technical: Camera Gantry	00:25:00	x	-	x	-	-	-	-	-	-	-	-
x	x	DEK TQ-Series Technical: Introduction	00:10:00	x	-	x	-	-	-	-	-	-	-	-
x		DEK TQ-Series Technical: Paste Transfer	00:25:00	x	-	-	-	-	-	-	-	-	-	-
x		DEK TQ-Series Technical: Pneumatics	00:35:00	x	-	x	-	-	-	-	-	-	-	-
x		DEK TQ-Series Technical: Power and Communications	00:20:00	x	x	x	-	-	-	-	-	-	-	-
x		DEK TQ-Series Technical: Print Engine Y-Drive	00:35:00	x	x	x	-	-	-	-	-	-	-	-
x		DEK TQ-Series Technical: Smart Pin Placement	00:40:00	x	-	-	-	-	-	-	-	-	-	-
x		DEK TQ-Series Technical: Squeegee Mechanism (incl. VR 2D Learn)	00:35:00	x	x	x	-	-	-	-	-	-	-	-
x		DEK TQ-Series Technical: Squeegee Mechanism Calibration	00:15:00	x	-	-	-	-	-	-	-	-	-	-

x		DEK TQ-Series Technical: Tooling and Conveyor Lift	00:25:00	x	x	x	-	-	-	-	-	-	-	-
x		DEK TQ-Series Technical: Transport Conveyor (incl. VR 2D Learn)	00:35:00	x	x	-	-	-	-	-	-	-	-	-
x		DEK TQ-Series Technical: Transport Conveyor Calibrations and Settings	00:35:00	x	-	-	-	-	-	-	-	-	-	-
x		DEK TQ-Series Technical: Under Stencil Cleaner	00:20:00	x	-	x	-	-	-	-	-	-	-	-
x		DEK TQ-Series Technical: Under Stencil Cleaner Calibration	00:20:00	x	-	x	-	-	-	-	-	-	-	-
x		DEK TQL-Series Technical: Power and Communications	00:20:00	x	x	x	-	-	-	-	-	-	-	-
x		DEK TQL-Series Technical: Under Stencil Cleaner	00:20:00	x	x	x	-	-	-	-	-	-	-	-
		VR												
x		VR 2D Explore - DEK TQ-Series	00:20:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 3D Explore - DEK TQ-Series	00:20:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 2D Learn - Replacing a DEK TQ-Series APC Y-Axis Read Head	00:25:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 2D Learn - Replacing a DEK TQ-Series APC Y-Axis Read Head	00:20:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 2D Learn - Replacing a DEK TQ-Series Centre Front Transport Belt Drive Motor	00:25:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 2D Learn - Replacing a DEK TQ-Series Centre Front Transport Belt Drive Motor	00:10:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 2D Learn - Replacing a DEK TQ-Series Spring Beam Assembly	00:35:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 2D Learn - Replacing a DEK TQ-Series Spring Beam Assembly	00:20:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 2D Learn - Replacing a DEK TQ-Series Squeegee Motor and Belt	00:35:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 2D Learn - Replacing a DEK TQ-Series Squeegee Motor and Belt	00:40:00	x	-	-	-	-	-	-	-	-	-	-

X	F	DEK Hermes Standard (Option)	Duration	EN	DE	ZH-CN	ES-MX	CZE	FR	HUN	KOR	RO	THA	VIE
		Maintenance												
x	x	DEK Hermes Standard Technical	00:20:00	x	-	-	-	-	-	-	-	-	-	-

X	F	DEK MASS (Option)	Duration	EN	DE	ZH-CN	ES-MX	CZE	FR	HUN	KOR	RO	THA	VIE
		Operation												
x	x	DEK MASS Operation: 1. Overview	00:10:00	x	-	x	-	-	-	-	-	-	-	-
x	x	DEK MASS Operation: 2. Production	00:10:00	x	-	x	-	-	-	-	-	-	-	-
		Technical												
x		DEK MASS Technical	00:25:00	x	-	-	-	-	-	-	-	-	-	-
x		DEK MASS Technical: Configuration Change	00:25:00	x	-	-	-	-	-	-	-	-	-	-

Software Solutions

X	F	Equipment Connector	Duration	EN	DE	ZH-CN	ES-MX	CZE	FR	HUN	KOR	RO	THA	VIE
		Application												
x		Equipment Connector Technical	00:25:00	x	x	-	-	-	-	-	-	-	-	-
x		Equipment Connector: Introduction	00:20:00	x	x	-	-	-	-	-	-	-	-	-

X	F	Factory Equipment Center	Duration	EN	DE	ZH-CN	ES-MX	CZE	FR	HUN	KOR	RO	THA	VIE
		Application												
x	x	Factory Equipment Center: 1. Use Cases General	00:15:00	x	x	-	-	-	-	-	-	-	-	-
x	x	Factory Equipment Center: 2. Resource Creation	00:20:00	x	-	-	-	-	-	-	-	-	-	-
x	x	Factory Equipment Center: 3. Product and BOM Creation	00:20:00	x	-	-	-	-	-	-	-	-	-	-
x	x	Factory Equipment Center: 4. Checklist Creation	00:20:00	x	-	-	-	-	-	-	-	-	-	-
x	x	Factory Equipment Center: 5. Maintenance Plan Creation	00:20:00	x	-	-	-	-	-	-	-	-	-	-
x	x	Factory Equipment Center: 6. Feeder Management	00:15:00	x	-	-	-	-	-	-	-	-	-	-
x	x	Factory Equipment Center: Graphical User Interface (GUI)	00:15:00	x	x	-	-	-	-	-	-	-	-	-
x	x	Factory Equipment Center: Introduction	00:15:00	x	x	-	-	-	-	-	-	-	-	-
x	x	Factory Equipment Center: User Administration	00:15:00	x	-	-	-	-	-	-	-	-	-	-

X	F	WORKS Command Center	Duration	EN	DE	ZH-CN	ES-MX	CZE	FR	HUN	KOR	RO	THA	VIE
x		WORKS Command Center: 1. Introduction	06:00:00	x	x	-	-	-	-	-	-	-	-	-
x		WORKS Command Center: 2. Graphical User Interfaces	00:20:00	x	x	-	-	-	-	-	-	-	-	-
x		WORKS Command Center: 3. Use Cases	07:00:00	x	x	-	-	-	-	-	-	-	-	-

X	F	WORKS Line Monitor	Duration	EN	DE	ZH-CN	ES-MX	CZE	FR	HUN	KOR	RO	THA	VIE
x		WORKS Line Monitor	00:15:00	x	-	-	-	-	-	-	-	-	-	-

X	F	WORKS Performance Monitor	Duration	EN	DE	ZH-CN	ES-MX	CZE	FR	HUN	KOR	RO	THA	VIE
x		WORKS Performance Monitor: 1. Configuration	00:30:00	x	-	-	-	-	-	-	-	-	-	-
x		WORKS Performance Monitor: 2. GUI and Analyses	00:30:00	x	-	-	-	-	-	-	-	-	-	-
x		WORKS Performance Monitor: 3. KPI Definition	00:40:00	x	-	-	-	-	-	-	-	-	-	-
x		WORKS Performance Monitor: 4. Measurement Principle	00:30:00	x	-	-	-	-	-	-	-	-	-	-
x		WORKS Performance Monitor: 5. OIB	00:35:00	x	-	-	-	-	-	-	-	-	-	-

X	F	SIPLACE Pro	Duration	EN	DE	ZH-CN	ES-MX	CZE	FR	HUN	KOR	RO	THA	VIE
		Basic												
x	x	SIPLACE Pro Basic: 1. Overview	00:10:00	x	x	x	x	-	-	-	-	-	-	-
x	x	SIPLACE Pro Basic: 2. Component Shape	00:15:00	x	x	x	x	-	-	-	-	-	-	-
x	x	SIPLACE Pro Basic: 3. Components	00:10:00	x	x	x	x	-	-	-	-	-	-	-
x	x	SIPLACE Pro Basic: 4. Fiducials	00:15:00	x	x	x	x	-	-	-	-	-	-	-
x	x	SIPLACE Pro Basic: 5. PCBs	00:20:00	x	x	x	x	-	-	-	-	-	-	-
x	x	SIPLACE Pro Basic: 6. Placement Lists	00:15:00	x	x	x	x	-	-	-	-	-	-	-
x	x	SIPLACE Pro Basic: 7. Setup	00:15:00	x	x	x	x	-	-	-	-	-	-	-
x	x	SIPLACE Pro Basic: 8. Optimization	00:15:00	x	x	x	x	-	-	-	-	-	-	-
x	x	SIPLACE Pro Basic: 9. Line Control GUI	00:15:00	x	x	x	x	-	-	-	-	-	-	-
		Advanced Features												
x	x	SIPLACE Pro Advanced Features: Administration	00:15:00	x	x	x	-	-	-	-	-	-	-	-
x	x	SIPLACE Pro Advanced Features: Advanced Component Shape Handling	00:15:00	x	-	x	-	-	-	-	-	-	-	-
x	x	SIPLACE Pro Advanced Features: Advanced Fiducials	00:20:00	x	-	x	-	-	-	-	-	-	-	-
x	x	SIPLACE Pro Advanced Features: Bitmap Editor	00:15:00	x	-	x	-	-	-	-	-	-	-	-
x	x	SIPLACE Pro Advanced Features: Borrow Performance	00:15:00	x	-	-	-	-	-	-	-	-	-	-
x	x	SIPLACE Pro Advanced Features: Customized Nozzles	00:15:00	x	-	x	-	-	-	-	-	-	-	-
x	x	SIPLACE Pro Advanced Features: Feeder Inventories	00:20:00	x	-	x	-	-	-	-	-	-	-	-
x	x	SIPLACE Pro Advanced Features: Gerber Data	00:15:00	x	-	x	-	-	-	-	-	-	-	-
x	x	SIPLACE Pro Advanced Features: Glue Feeder	00:15:00	x	x	x	-	-	-	-	-	-	-	-
x	x	SIPLACE Pro Advanced Features: Line Creation	00:15:00	x	-	x	-	-	-	-	-	-	-	-
x	x	SIPLACE Pro Advanced Features: Smart Pin Support	00:15:00	x	-	x	-	-	-	-	-	-	-	-
x	x	SIPLACE Pro Advanced Features: Station Creation	00:15:00	x	-	x	-	-	-	-	-	-	-	-
		Options												
x		SIPLACE Pro Options: WPC Tray Carrier Programming	00:15:00	x	-	x	-	-	-	-	-	-	-	-
x		WORKS CAD Import	00:30:00	x	-	-	-	-	-	-	-	-	-	-

X	F	SIPLACE Vision	Duration	EN	DE	ZH-CN	ES-MX	CZE	FR	HUN	KOR	RO	THA	VIE
x	x	SIPLACE Vision: BGA Components	00:15:00	x	x	x	x	-	-	-	-	-	-	-
x	x	SIPLACE Vision: Chip Components	00:15:00	x	x	x	x	-	-	-	-	-	-	-
x	x	SIPLACE Vision: Component Shape Handling	00:15:00	x	x	x	x	-	-	-	-	-	-	-
x	x	SIPLACE Vision: Connectors	00:10:00	x	x	x	x	-	-	-	-	-	-	-
x	x	SIPLACE Vision: Dpack Components	00:10:00	x	x	x	x	-	-	-	-	-	-	-
x	x	SIPLACE Vision: Introduction	00:10:00	x	x	x	x	-	-	-	-	-	-	-
x	x	SIPLACE Vision: Melf Components	00:10:00	x	x	x	x	-	-	-	-	-	-	-
x	x	SIPLACE Vision: Molded Components	00:10:00	x	x	x	x	-	-	-	-	-	-	-
x	x	SIPLACE Vision: Non-standard Components	00:10:00	x	x	x	x	-	-	-	-	-	-	-
x	x	SIPLACE Vision: PCB Handling	00:20:00	x	x	x	x	-	-	-	-	-	-	-
x	x	SIPLACE Vision: QFP Components	00:15:00	x	x	x	x	-	-	-	-	-	-	-
x	x	SIPLACE Vision: Shield	00:15:00	x	x	x	x	-	-	-	-	-	-	-
x	x	SIPLACE Vision: SOT Components	00:10:00	x	x	x	x	-	-	-	-	-	-	-
x	x	SIPLACE Vision: SOXX Components	00:10:00	x	x	x	x	-	-	-	-	-	-	-
x	x	SIPLACE Vision: Suite	00:15:00	x	-	-	-	-	-	-	-	-	-	-
x	x	SIPLACE Vision: Teach Station	00:15:00	x	-	-	-	-	-	-	-	-	-	-

X	F	WORKS Material Flow Optimizer	Duration	EN	DE	ZH-CN	ES-MX	CZE	FR	HUN	KOR	RO	THA	VIE
x		WORKS Material Flow Optimizer: Introduction	00:20:00	x	-	-	-	-	-	-	-	-	-	-
x		WORKS Material Flow Optimizer: Material Re-Use	00:20:00	x	-	-	-	-	-	-	-	-	-	-
x		WORKS Material Flow Optimizer: Planning and Monitoring	00:20:00	x	-	-	-	-	-	-	-	-	-	-

X	F	WORKS Printer Programming	Duration	EN	DE	ZH-CN	ES-MX	CZE	FR	HUN	KOR	RO	THA	VIE
x		WORKS Printer Programming V3: 1. Overview and Workflow	00:15:00	x	x	-	-	-	-	-	-	-	-	-
x		WORKS Printer Programming V3: 2. Graphical User Interface (GUI)	00:15:00	x	x	-	-	-	-	-	-	-	-	-
x		WORKS Printer Programming V3: 3. Typical Use Cases	00:15:00	x	x	-	-	-	-	-	-	-	-	-

X	F	WORKS Process Expert	Duration	EN	DE	ZH-CN	ES-MX	CZE	FR	HUN	KOR	RO	THA	VIE
x		WORKS Process Expert: Introduction	00:30:00	x	-	-	-	-	-	-	-	-	-	-
x		WORKS Process Expert: Printing DFM	00:30:00	x	-	-	-	-	-	-	-	-	-	-
x		WORKS Process Expert: Printing Offset and Clean Cycle Optimization	01:30:00	x	-	-	-	-	-	-	-	-	-	-

X	F	WORKS Production Planner	Duration	EN	DE	ZH-CN	ES-MX	CZE	FR	HUN	KOR	RO	THA	VIE
x		WORKS Production Planner: 1. Introduction	00:15:00	x	x	-	-	-	-	-	-	-	-	-
x		WORKS Production Planner: 2. Graphical User Interface (GUI)	00:15:00	x	x	-	-	-	-	-	-	-	-	-
x		WORKS Production Planner: 3. Use Cases	00:15:00	x	x	-	-	-	-	-	-	-	-	-

X	F	WORKS Setup Center	Duration	EN	DE	ZH-CN	ES-MX	CZE	FR	HUN	KOR	RO	THA	VIE
x		WORKS Setup Center: 1. Introduction	00:15:00	x	-	-	-	-	-	-	-	-	-	-
x		WORKS Setup Center: 2. GUI and Configuration	00:15:00	x	-	-	-	-	-	-	-	-	-	-
x		WORKS Setup Center: Offline Verification	00:15:00	x	-	-	-	-	-	-	-	-	-	-
x		WORKS Setup Center: Online Verification	00:15:00	x	-	-	-	-	-	-	-	-	-	-

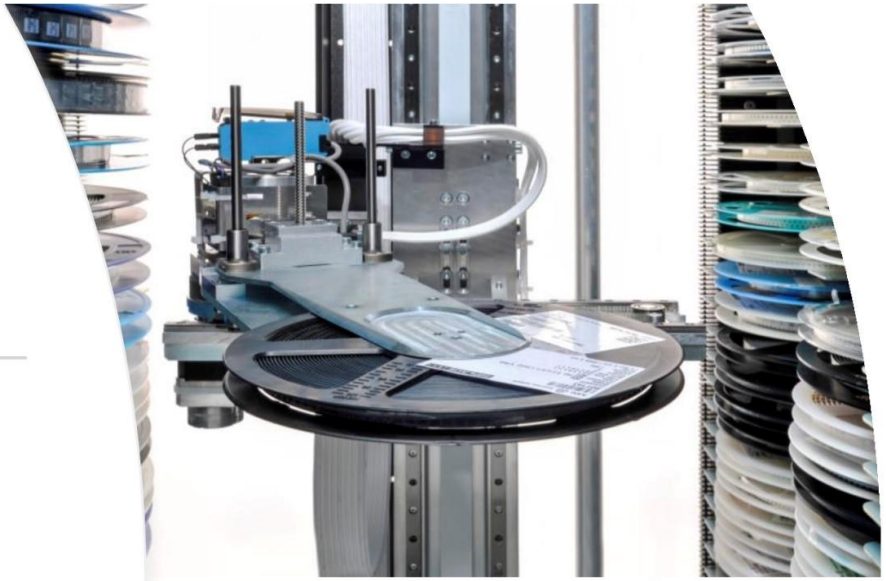
X	F	WORKS SiCluster Professional	Duration	EN	DE	ZH-CN	ES-MX	CZE	FR	HUN	KOR	RO	THA	VIE
x		WORKS SiCluster Professional: Constant Tables	00:20:00	x	-	-	-	-	-	-	-	-	-	-
x		WORKS SiCluster Professional: Overview	00:20:00	x	-	-	-	-	-	-	-	-	-	-
x		WORKS SiCluster Professional: Setup Optimization	00:20:00	x	-	-	-	-	-	-	-	-	-	-

X	F	WORKS Operation Manager	Duration	EN	DE	ZH-CN	ES-MX	CZE	FR	HUN	KOR	RO	THA	VIE
x		WORKS Operation Manager		x	-	-	-	-	-	-	-	-	-	-

X	F	WORKS Programming Alternative Components	Duration	EN	DE	ZH-CN	ES-MX	CZE	FR	HUN	KOR	RO	THA	VIE
x		WORKS Programming Alternative Components		x	-	-	-	-	-	-	-	-	-	-

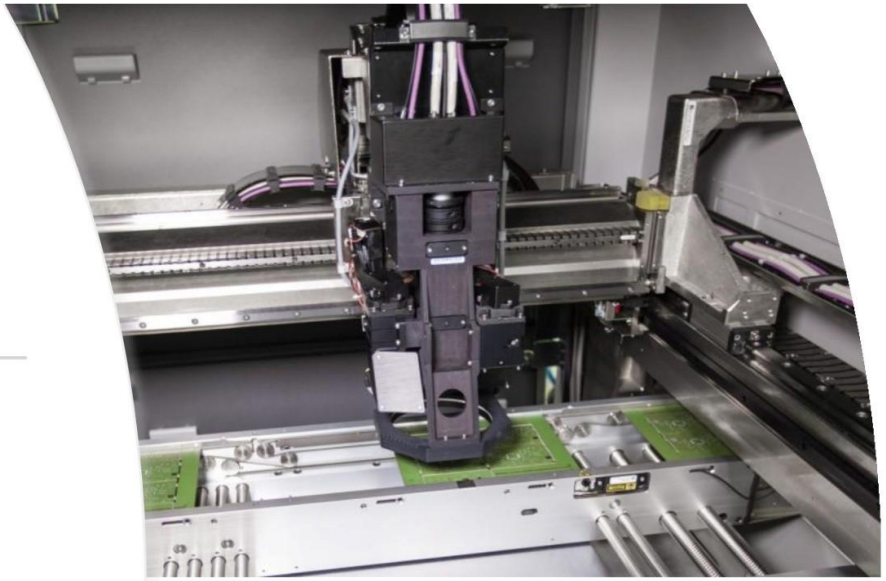
X	F	WORKS OIS	Duration	EN	DE	ZH-CN	ES-MX	CZE	FR	HUN	KOR	RO	THA	VIE
x		WORKS OIS	00:20:00	x	-	-	-	-	-	-	-	-	-	-

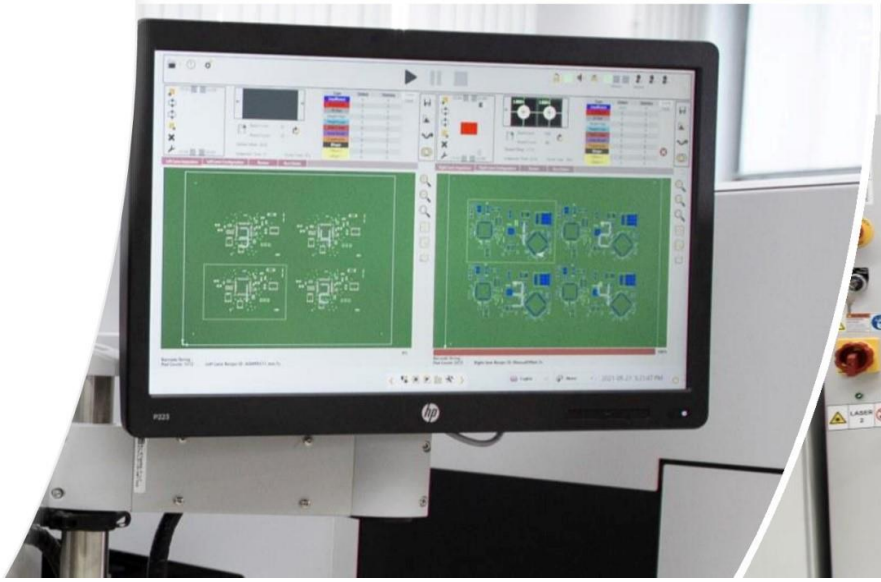
Storage Solutions



X	F	Material Tower	Duration	EN	DE	ZH-CN	ES-MX	CZE	FR	HUN	KOR	RO	THA	VIE
		Maintenance												
x	x	Material Tower 2 Maintenance - Workflow 1	00:15:00	x	-	x	-	-	-	-	-	-	-	-
x	x	Material Tower 2 Maintenance - Workflow 2	00:15:00	x	-	x	-	-	-	-	-	-	-	-
x	x	Material Tower 2 Maintenance - Workflow 3	00:15:00	x	-	x	-	-	-	-	-	-	-	-
x	x	Material Tower 2 Maintenance - Workflow 4	00:15:00	x	-	x	-	-	-	-	-	-	-	-
		Operation												
x	x	Material Tower 2 Operation	00:20:00	x	-	-	-	-	-	-	-	-	-	-
		Programming												
x		Material Tower 2 Programming	00:20:00	x	-	-	-	-	-	-	-	-	-	-
		Technical												
x		Material Tower 2 Technical (incl. VR 2D Learn)	00:25:00	x	-	x	-	-	-	-	-	-	-	-
		VR												
x		VR 2D Explore - Material Tower 2	00:20:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 3D Explore - Material Tower 2	00:20:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 2D Learn - Replacing a Material Tower 2 Robot Table	00:20:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 3D Learn - Replacing a Material Tower 2 Robot Table	00:20:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 2D Learn - Replacing a Material Tower 2 X Belt	00:20:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 3D Learn - Replacing a Material Tower 2 X Belt	00:20:00	x	-	-	-	-	-	-	-	-	-	-

Inspection Solutions





X	F	Process Lens	Duration	EN	DE	ZH-CN	ES-MX	CZE	FR	HUN	KOR	RO	THA	VIE
		Maintenance												
x	x	Process Lens Maintenance - Workflow 1	00:15:00	x	-	x	-	-	-	-	-	-	-	-
x	x	Process Lens Maintenance - Workflow 2	00:15:00	x	-	x	-	-	-	-	-	-	-	-
x	x	Process Lens Maintenance - Workflow 3	00:15:00	x	-	x	-	-	-	-	-	-	-	-
x	x	Process Lens Maintenance - Workflow 4	00:15:00	x	-	x	-	-	-	-	-	-	-	-
		Operation												
x	x	Process Lens Operation	00:10:00	x	-	x	-	-	-	-	-	-	-	-
x	x	Process Lens Operation: Overview	00:05:00	x	-	x	-	-	-	-	-	-	-	-
x	x	Process Lens Operation: Software Overview	00:05:00	x	-	x	-	-	-	-	-	-	-	-
		Programming												
x		Process Lens Programming: 1. Gerber Data Processing	00:00:00	x	-	x	-	-	-	-	-	-	-	-
x		Process Lens Programming: 2. CAD File Processing	00:10:00	x	-	x	-	-	-	-	-	-	-	-
x		Process Lens Programming: 3. Board Data Processing	00:07:00	x	-	x	-	-	-	-	-	-	-	-
x		Process Lens Programming: 4. Teach Inspection Recipe	00:10:00	x	-	x	-	-	-	-	-	-	-	-
x		Process Lens Programming: 5. Set Inspection Criteria	00:10:00	x	-	x	-	-	-	-	-	-	-	-
		Technical												
x		Process Lens Basic Statistical Process Control (SPC): Overview	00:15:00	x	-	-	-	-	-	-	-	-	-	-
x		Process Lens Technical: Conveyor System	00:20:00	x	-	-	-	-	-	-	-	-	-	-
x		Process Lens Technical: Gantry System (incl. VR 2D Learn)	00:20:00	x	-	-	-	-	-	-	-	-	-	-
x		Process Lens Technical: Hermes Standard	00:20:00	x	-	x	-	-	-	-	-	-	-	-
x	x	Process Lens Technical: Introduction	00:20:00	x	-	-	-	-	-	-	-	-	-	-
x		Process Lens Technical: Power Control and Communication	00:20:00	x	-	-	-	-	-	-	-	-	-	-
x		Process Lens Technical: Vision System (incl. VR 2D Learn)	00:20:00	x	-	-	-	-	-	-	-	-	-	-
		VR												
x		VR 2D Explore - Process Lens	00:20:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 3D Explore - Process Lens	00:20:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 2D Learn - Replacing a Process Lens DLP Controller	00:15:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 3D Learn - Replacing a Process Lens DLP Controller	00:15:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 2D Learn - Replacing a Process Lens Stopper	00:15:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 3D Learn - Replacing a Process Lens Stopper	00:15:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 2D Learn - Replacing a Process Lens Vision Module	00:15:00	x	-	-	-	-	-	-	-	-	-	-
x		VR 3D Learn - Replacing a Process Lens Vision Module	00:15:00	x	-	-	-	-	-	-	-	-	-	-