Synthesis Workstation

EasyMax
Basic

EasyMax
Basic Plus

EasyMax
Advanced

Expand Experimental Success
Beyond the Round Bottom Flask

METTLER TOLEDO

Expand Experimental Success
Beyond the Round Bottom Flask

EasyMax™ provides an innovative platform for chemical synthesis. It opens new possibilities to discover synthetic pathways, characterize conditions and optimize reaction parameters. Researchers can choose between different versions of the EasyMax or upgrade existing synthesis workstations to bring expanded control and smart data management.

Create Molecules and Develop Reactions	Process Characterization
EasyMax Basic Plus Upgrade	EasyMax Advanced Upgrade

EasyMax Basic
EasyMax Basic is the ideal Parallel Synthesis Workstation to replace the round-bottom flask in the chemistry lab. It offers:

- Independent control of two reaction zones between −90 °C and 180 °C without an oil or ice bath
- Touchscreen operation
- Temperature control (jacket, reaction mass control, or reflux)
- Reaction volumes from 1 mL to 400 mL
- Individual magnetic or overhead stirring
- Liquid addition (manual or automated)
- Automated sampling with EasySampler™ 1210

EasyMax Basic Plus
EasyMax Basic Plus upgrade enhances the capabilities of EasyMax with the following features:

- A graphical trend viewer on the touch screen which displays experimental parameters over time
- Data logging functionality to ensure all data is captured
- Data export capabilities, via USB, that facilitate data analysis, trending and report creation
- 24/7 unattended task programing that controls process parameters and adjusts conditions over time

EasyMax Advanced
EasyMax Advanced is the workstation with the most comprehensive information management platform. It facilitates:

- pH control
- Programmed control of liquid dosing
- iC Data Center™ software, to share data and building institutional knowledge
- iControl™ software for pre-programming, advanced control and data evaluation
- Heat Flow Calorimetry for process safety screening to identify, eliminate and correct non-scalable reaction conditions

		EasyMax Basic	EasyMax Basic Plus	EasyMax Advanced
Temperature Control	Tr control	●	●	●
	Tj control	●	●	●
	Tr-Tj control	●	●	●
Dosing	Control of DU SP-50 syringe pump	●[1]	●[1]	●[1]
Stirring	Magnetic stirring	●[2]	●[2]	●[2]
	Overhead stirring	●[1]	●[1]	●[1]
pH	pH measurement with external device (e.g. SevenExcellence™)	●[1]	●[1]	●[1]
	pH control (with SevenExcellence)			●[1]
Touch Screen Capabilities	Task sequence		●	●
	Trend graph		●	●
	Annotation			●
Data Export	Basic Data Export (data export via USB flash drive to Microsoft® Excel® based on time period only)		●	●
	Advanced Data Export (user configurable data export via USB flash drive to Microsoft® Excel®)			●
Connectivity	iControl connectivity			●
	iControl Office License			●
	iControl Instrument Control			●[1]
Calorimetry	Heat Flow Calorimetry			●[1]

1   Sold separately
2   EasyMax 102 and 102 LT only

EasyMax 102, 102 LT and 402 Basic
Upgrade Possibilities

30133678
EasyMax Basic Plus Upgrade License
This upgrade adds data export, task programming and a trend viewer to EasyMax 102, 102 LT and 402 Basic.
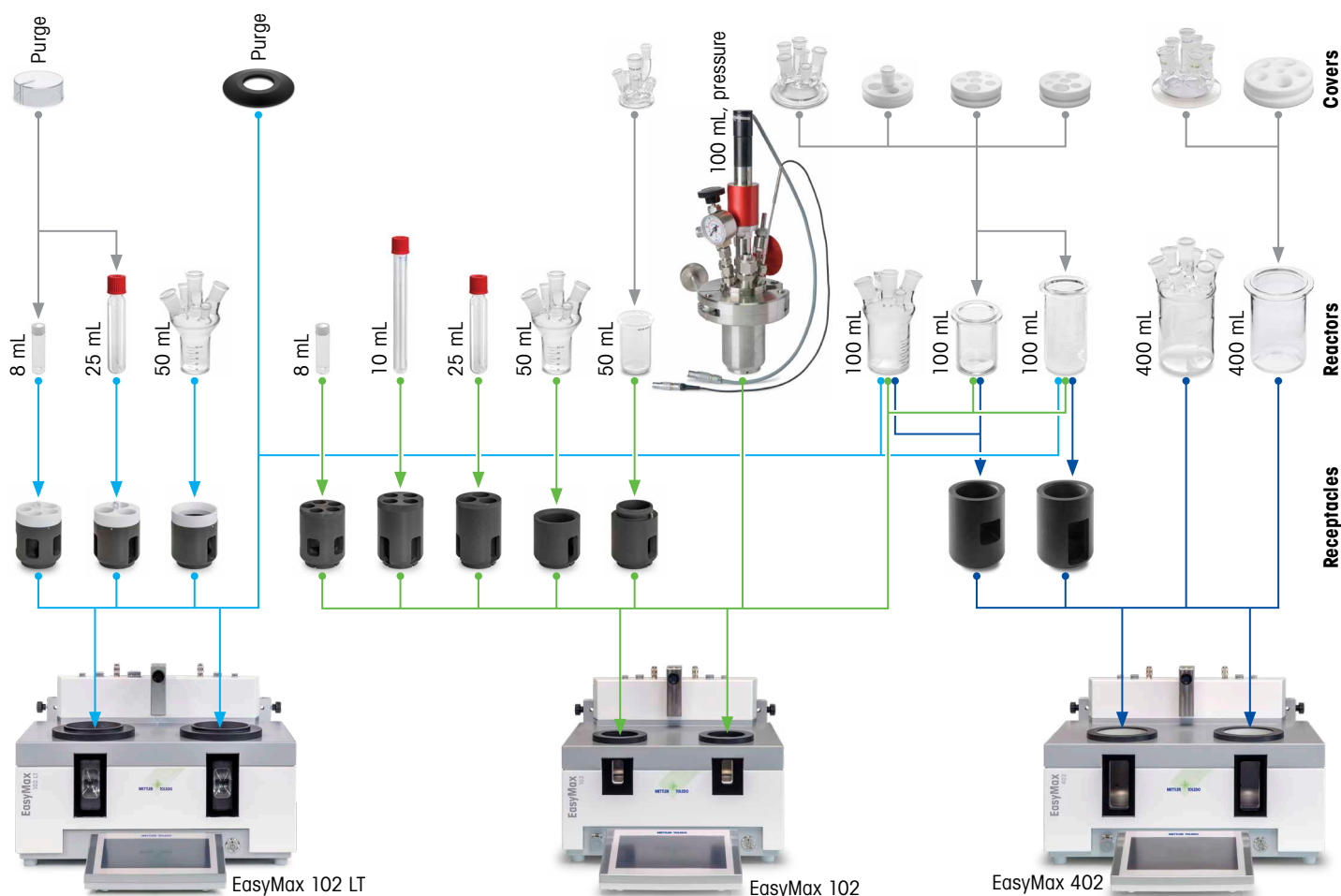

30133679
EasyMax Advanced Upgrade License
Upgrade for EasyMax 102, 102 LT and 402 Basic Plus, adding all supported EasyMax functionalities like automated data capture, pH-control, the option for PC control and many more.

EasyMax 102, 102 LT and 402 Overview
For more information, please contact your local specialist or visit our website.

EasyMax 102 LT — EasyMax 102 — EasyMax 402