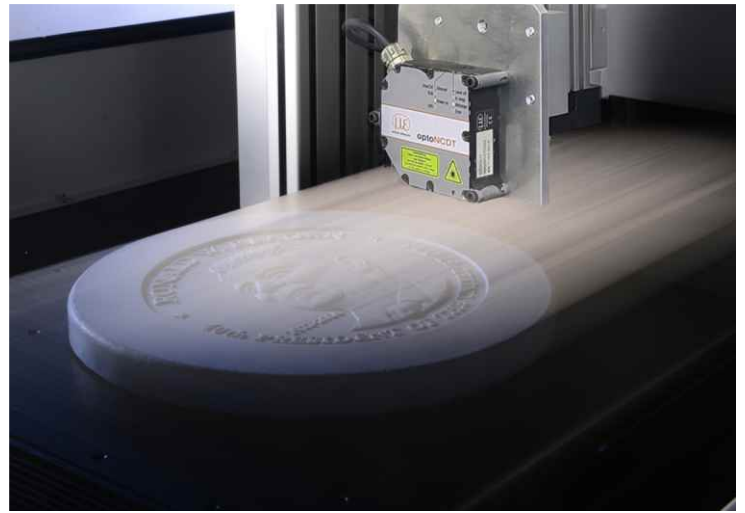
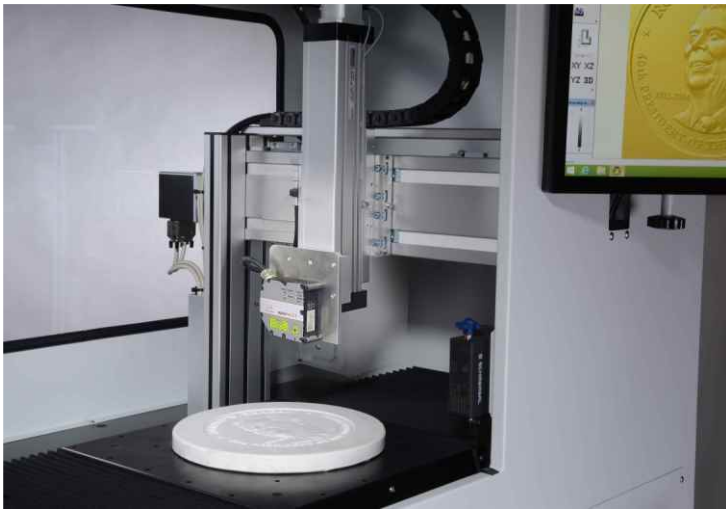




DIGITIZATION SYSTEM
LDIGIT *express*





The universal unit to scan and digitize 3D free-form surfaces and relief models, for ex. for producing coining dies. It is perfectly aligned to highest scan demands. Due to high dynamic linear motor axis, a Y-Z-portal to fix the sensor system as well as the latest version of the LANG software package Relief-Designer Scan, it's possible to execute the most complex digitization within the shortest possible time. The in-house developed positioning control LSTEP express, integrated in the system, enables in combination with the linear motor axis a quick

and trouble-free scanning with a max. acceleration of 10 m/s². The newly integrated Micro-Epsilon laser system is fast and accurate. A scan speed of up to 800 mm/s depending on scan resolution is possible. The activation is controlled via a PC with innovative and user friendly touch operation. Breadboard bore holes in the table offer highest flexibility when clamping the models.



Technical Data

Working range (X x Y x Z)	400 x 400 x 150 mm
Scanning area (X x Y)	397 x 400 mm
Maximalum load of table	20 kg
Maschine dimensions with base frame B x T x H (depending on equipment, refer to transport plan)	1110 x 830 x 1800 mm
Machine weight with base frame	335 kg
X axis resolution (measuring system)	< 0,1 µm
Y axis resolution (measuring system)	0,125 µm
Z axis resolution (measuring system)	0,125 µm
Recommended scanning resolution	from 10 µm
Measuring ranges	
with ILD2300-2	2 mm
with ILD2300-10	10 mm
with ILD2300-20	20 mm
with ILD2300-50	50 mm
Motor control unit	LANG LSTEP express
Software	Relief-Designer Scan