

# MICROLAB OVERVIEW



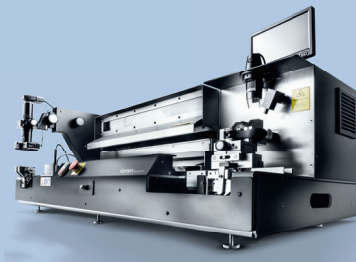
**MicroLab 10**

compact  
mobile  
for small contacts



**MicroLab 30**

automated processes  
mobile  
for small to large contacts



**MicroLab 35**

for large volumes  
optimized wet processes  
for small contacts



**MicroLab 55**

flexible  
optimized wet processes  
for all contact types

## APPLICATION RANGE

<b>CRIMP</b>	B-Crimp	B-Crimp, MIL-Crimp, HEX-Crimp	B-Crimp	B-Crimp, MIL-Crimp, HEX-Crimp, welding
<b>LONGITUDINAL SECTION</b>				●
<b>MATERIALS</b>	copper	copper (aluminium optional)	copper	copper (aluminium optional)
<b>PROCESSING AREA</b> (max. contact-Ø)	Ø 0.50 mm – Ø 2.50 mm (corresponds approx. 0.08 – 5.00 mm <sup>2</sup> )	Ø 0.50 mm – Ø 10.00 mm (corresponds approx. 0.08 – 80.00 mm <sup>2</sup> )	Ø 0.50 mm – Ø 3.00 mm (corresponds approx. 0.08 – 6.00 mm <sup>2</sup> )	Ø 0.50 mm – Ø 30.00 mm (corresponds approx. 0.08 – 400.00 mm <sup>2</sup> )
<b>PROCESSING TIME</b>	~ 100 s	~ 100 s	~ 75 s (two operators required)	~ 140 s
<b>PROCESSING VOLUME</b>	low	medium	high	medium

## DELIVERY SCOPE

<b>CUTTING</b>	manual separation unit dry with cutting disc	automatic separation unit dry with saw blade	basic device	automatic separation unit wet with saw blade	automatic separation unit wet with cutting disc (saw blade optional)	basic device
<b>GRINDING</b>	dry grinding unit (manual regrinding)	dry grinding unit (automatic regrinding)		wet grinding unit (manual regrinding)	wet grinding unit (manual regrinding)	
<b>ETCHING</b>	manual etching	SmartEtch (automatic etching module)		manual etching	SmartEtch (automatic etching module)	
<b>IMAGE CAPTURE</b>	Optics camera 1.3 MP, 2.1 MP or 6.4 MP	SmartOptic camera 18.0 MP		Optics camera 1.3 MP, 2.1 MP or 6.4 MP	SmartOptic camera 18.0 MP	
<b>EVALUATION SOFTWARE</b>	SmartVision	SmartVision		SmartVision	SmartVision	
<b>EVALUATION HARDWARE</b>	not included (laptop optional)	not included (laptop optional)		PC-system (laptop optional)	PC-system	

## SAMPLE HOLDER

<b>SH 1 – sample holder 1</b> 0.08 mm <sup>2</sup> – 0.22 mm <sup>2</sup>	●	●		●
<b>SH 2 – sample holder 2</b> 0.22 mm <sup>2</sup> – 6.00 mm <sup>2</sup>	●	●	●	●
<b>SH 3 – sample holder 3</b> 4.00 mm <sup>2</sup> – 12.00 mm <sup>2</sup>		●		●
<b>SH 4 – sample holder 4</b> 10.00 mm <sup>2</sup> – 100.00 mm <sup>2</sup>		●		●
<b>SH 5 – sample holder 5</b> 0.25 mm <sup>2</sup> – 5.00 mm <sup>2</sup>	●			
<b>UH 1 – universal sample holder 1</b> span 28.00 mm				●
<b>UH 2 – universal sample holder 2</b> span 36.00 mm				●

- inclusive
- optional