

# Contents

<b>1</b>	<b>Introduction to Miniaturisation</b> . . . . .	<b>1</b>
	Claudia Pagano and Irene Fassi	
<b>2</b>	<b>Micro-injection Moulding</b> . . . . .	<b>23</b>
	Andreu Sancho, Laura Arribas and Daniel Teixidor	
<b>3</b>	<b>Micro-additive Manufacturing Technology</b> . . . . .	<b>67</b>
	Felip Esteve, Djamila Olivier, Qin Hu and Martin Baumer	
<b>4</b>	<b>Manufacturing Technology: Micro-machining</b> . . . . .	<b>97</b>
	Lorelei Gherman, Andrew Gleadall, Otto Bakker and Svetan Rathev	
<b>5</b>	<b>Micro-waterjet Technology</b> . . . . .	<b>129</b>
	Massimiliano Annoni, Francesco Arleo and Francesco Viganò	
<b>6</b>	<b>Micro-electro-Discharge Machining (Micro-EDM)</b> . . . . .	<b>149</b>
	Francesco Modica, Valeria Marrocco and Irene Fassi	
<b>7</b>	<b>Moulded Interconnect Devices</b> . . . . .	<b>175</b>
	Adrien Brunet, Ulrich Gengenbach, Tobias Müller, Steffen Scholz and Markus Dickerhof	
<b>8</b>	<b>Micro-scale Geometry Measurement</b> . . . . .	<b>197</b>
	Samanta Piano, Rong Su and Richard Leach	
<b>9</b>	<b>Micro-assembly</b> . . . . .	<b>223</b>
	Serena Ruggeri, Gianmauro Fontana and Irene Fassi	
<b>10</b>	<b>Market Analysis, Technological Foresight, and Business Models for Micro-manufacturing</b> . . . . .	<b>261</b>
	Golboo Pourabdollahian and Giacomo Copani	
	<b>Index</b> . . . . .	<b>293</b>

Micro-Manufacturing Technologies and Their  
Applications

A Theoretical and Practical Guide

Fassi, I.; Shipley, D. (Eds.)

2017, XII, 296 p. 192 illus., 11 illus. in color., Hardcover

ISBN: 978-3-319-39650-7