

# **TECHNIQUES OF DIE CASTING**

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## Abstract

The monograph points out the current state of knowledge from the field of metal die casting with chronological description of metal die casting, die casting machines and attachments, automation of die casting workstations, failures of castings, CA technologies applied in foundry industry, and progressive trends of die casting. It also concentrates on the theory of die casting process, of attachments, and of the mould cavity filling. At the same time the analysis of foundry failure occurrence in close connection of failure impact on the casting quality is evaluated on the basis of selected experimental results of the authors.

The monograph is intended mainly for students, Ph.D. students, and for pedagogues of universities and colleges as well as for broad scientific and professional public and for technologists and personnel in the foundry plants.”

**Key words:** *die casting, technology, theoretical analysis, defect of castings, CA technologies*

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	<b>INTRODUCTION</b>	<b>1</b>
<b>1</b>	<b>DIE CASTING OF METALS</b>	<b>2</b>
<b>2</b>	<b>DIE CASTING OF MACHINES</b>	<b>4</b>
2.1	Hot-chamber Die Casting Machines	4
2.2	Cold-chamber Die Casting Machines	5
<b>3</b>	<b>MAIN STRUCTURAL NODES OF DIE CASTING MACHINES</b>	<b>6</b>
3.1	General Characteristics of Die Casting Machines	6
3.2	Locking Mechanism	7
3.3	Pressing Mechanism	15
3.4	Drive of Machines	21
3.5	Hydraulic Distributor	23
3.6	Covering of Die Casting Machines	24
<b>4</b>	<b>THEORETICAL ANALYSIS OF DIE CASTING OF METALS</b>	<b>26</b>
4.1	Equations of Motion of Die Casting Processes of Metals	26
4.1.1	Speed of Pressing	26
4.1.2	Pressing Pressure	29
4.1.3	Process Control	31
<b>5</b>	<b>BASIC PARAMETERS OF DIE CASTING MACHINES</b>	<b>38</b>
5.1	Locking Joint Mechanism	45
5.2	Ratios of Forces of Pressing Plunger	48
5.3	Process of Pressing Plunger Movement inside the Filling Chamber	52
5.4	Assessment of Pressing Mechanism	64
5.5	Chamber Filling Modes	64
<b>6</b>	<b>ATTACHMENTS FOR DIE CASTING</b>	<b>69</b>
6.1	Feed Equipment	69
6.2	Casting Removal Equipment	72
6.3	Mould Treatment Equipment	74
6.4	Trimming Press	77
6.5	Equipment for Additional Heating of Operational Liquid	78
<b>7</b>	<b>THEORETICAL ANALYSIS PROCESSES OF ATTACHMENTS</b>	<b>80</b>
7.1	Regulation of Delimitation of Metal Level Decrease in the Furnace in case of Pneumatic Dosing Device of Metal	80
7.2	Dynamics of Metal Dosing during Die Casting	84
7.3	Dynamics of Treatment Device for Die Casting of Metals	89

<b>8</b>	<b>AUTOMATION OF DIE CASTING WORKSTATIONS</b>	<b>96</b>
8.1	Basic Principles	96
8.2	The Positives of Automation of Technological Workstations of Die Casting	98
8.3	Automated Technological Workstations of Die Casting (ATW DC)	100
8.3.1	Basic Structural Parts of ATW DC	100
<b>9</b>	<b>DIE CASTING MOULDS</b>	<b>114</b>
9.1	Hydrodynamic based of Liquid Metal Flow in a Mould Cavity	114
9.1.1	Filling Mode in a Mould Cavity	114
9.1.2	Filling Process in a Mould Cavity	116
9.2	Structural Mould Designs	118
9.2.1	Design of a Mould Gating System	120
9.2.2	Design of a Mould Venting System	121
9.2.3	Mould Cooling and Tempering System	122
9.3	Mould Operation Cycle	123
9.4	Mould Treatment	124
9.5	Mould Production Materials	124
9.5.1	Basic Properties Laid upon Mould Materials	124
9.5.2	Influence of Alloying Elements upon Properties of Basic Mould Material	124
9.5.3	Development Trends of Mould Production Material	125
9.6	Shrinkage of Castings	125
9.7	Theoretical Analysis of the Processes in the Mould during Die Casting	126
9.7.1	Dynamics of Casting Cooling during Die Casting	126
9.7.1.1	<i>Equation of System</i>	126
9.7.1.2	<i>Transfer of System</i>	127
9.7.1.3	<i>System Regulation</i>	128
9.7.2	Dynamics of Core Extraction during Die Casting	131
9.7.2.1	<i>Equation of System</i>	131
9.7.2.2	<i>Transfer of System</i>	132
9.7.2.3	<i>Experimental Results</i>	133
9.7.2.4	<i>System Regulation</i>	134
9.7.3	Formation and Spread of Cracks due to Heat Fatigue in Metal Moulds	139
9.7.3.1	<i>Theoretical Analysis</i>	139
9.7.3.2	<i>Experimental Results</i>	148
9.8	Melting and Keeping of Alloys in the Molten State	152
9.8.1	General Knowledge on Melting	152
9.8.2	Melting and Holding of Metals	154
9.8.2.1	<i>Returnable Material</i>	154
9.8.3	Melting Aggregates (Furnaces)	156
9.8.3.1	<i>Electric Furnaces</i>	158
9.8.3.2	<i>Shaft Furnaces</i>	161
9.8.3.3	<i>Flame Furnaces</i>	162
<b>10</b>	<b>DIE CASTING DEFECTS</b>	<b>164</b>
10.1	Classification of Casting Defects	164
10.2	Defect Types of Castings and Causes heir Occurence	164
10.2.1	Shape, Dimensions and Weight Defects	164
10.2.2	Surface Defects	165
10.2.3	Continuity Interruption	166
10.2.4	Cavities	167

10.2.5	Macroscopic Inclusions and Macrostructure Defects	170
10.2.6	Structure Defects	170
10.2.7	Chemical Composition Defects, Incorrect Physical or Mechanical Properties	171
<b>11</b>	<b>CA TECHNOLOGIES IN FOUNDRY INDUSTRY</b>	<b>172</b>
11.1	Simulation Technologies in Foundry Industry	172
11.1.1	Mathematical Description of Casting and Solidification	172
11.1.2	ProCAST Simulation Program	173
11.1.3	MAGMAsoft Simulation Program	174
11.1.4	SIMULOR Simulation Program	176
11.2	Rapid Prototyping	177
11.3	Economic and Technological Evaluation of CA Technologies Implementation in Foundry Industry	178
11.3.1	Technological Comparison of Simulation Softwares	178
<b>12</b>	<b>PROGRESSIVE TRENDS OF DIE CASTING</b>	<b>180</b>
12.1	Vacuum Treatment of Casting Mould	181
12.1.1	Aspects of Implementation of Vacuum Treatment of Die Casting Moulds	182
12.1.2	Development of Vacuum Die Casting of Metals	182
12.1.3	Requirements on Moulds in Vacuum Treatment of Die Casting Moulds	183
12.1.4	Structural Design of Vacuum Treatment of Die Casting Moulds	183
12.1.5	Advantages of Vacuum	186
12.1.6	Analysis of Influence of Casting Mould Vacuum Treatment upon Porosity of Castings	187
12.2	Squeeze Casting	189
12.3	Semi Solid Metal (SSM) Process	192
12.3.1	Rheocasting	193
12.3.2	Thixocasting	194
12.3.3	Thixoforming	195
12.5.4	Thixomoulding	195
12.5.5	Sub – Liquidus - Casting	196
	<b>REFERENCES</b>	<b>198</b>