

Urolithiasis (Urinary Stone Management) Devices Markets Worldwide

Table of Contents

May 2010

UROLITHIASIS (URINARY STONE) MANAGEMENT DEVICES MARKET WORLDWIDE

TABLE OF CONTENTS

SECTION 1 - EXECUTIVE SUMMARY -----	12
1.1. Key Takeaways-----	12
1.2. Urolithiasis (Urinary Stone) Management Devices - Key Market Parameters (KeyMAP Grid)-----	13
1.3. Urolithiasis (Urinary Stone) Management Devices Universe -----	14
1.4. Market Data Segmentation -----	15
1.5. Market Estimates, Assumptions and Data Reliability-----	16
1.5.1. Revenue Estimates and Forecasts -----	16
1.5.2. Market Share Rankings and Global Competitive Position Maps -----	16
1.6. Urolithiasis (Urinary Stone) Management Devices Ecosystem-----	17
1.7. Segmentation by Business Focus-----	18
1.8. Market Overview -----	19
1.8.1. Market Trends -----	19
1.8.2. Market Distribution by Geographic Region (2008)-----	20
1.8.3. Market Distribution by Type of Device (2008) -----	20
1.8.4. Market Drivers-----	21
1.8.5. Market Restraints-----	21
1.9. Key Players-----	22
1.9.1. Market Segment Matrix-----	22
1.9.2. Ranking of Leading Competitors Worldwide -----	23
1.9.3. Competitive Strategies -----	23
1.10. Overview of Leaders and Innovators-----	24
1.10.1. Boston Scientific Corp-----	24
1.10.2. Bard Urological-----	24
1.10.3. Cook Medical -----	25
1.10.4. Dornier MedTech-----	25
1.10.5. EDAP-TMS -----	26
1.10.6. Gyrus Acmi -----	26
1.10.7. Storz Medical -----	27
1.10.8. Lumenis Ltd. -----	27
1.10.9. Olympus Medical Systems -----	28

1.10.10. Richard Wolf GmbH	29
1.10.11. Siemens	29
1.11. Total World Market – Revenues and Forecasts for Urinary Stone Removal Devices	31
1.12. World Market – Revenues and Forecasts for Extracorporeal Shockwave Lithotripsy (ESWL) Devices	32
1.13. World Market – Revenues and Forecasts for Holmium Lasers	33
1.14. World Market – Revenues and Forecasts for Intracorporeal Lithotripsy Devices	34
1.15. World Market – Revenues and Forecasts for Stone Retrieval Devices	35
1.16. World Market – Revenues and Forecasts for Ureteral Stents	36
SECTION 2 – PRODUCTS AND MARKETS	37
2.1. Clinical Overview	37
2.2. Epidemiology	39
2.3. Market Segment Analysis – ESWL	40
2.3.1. Key Product Segment Parameters (KeyProdSeg Grid)	40
2.3.2. Product and Procedure Overview	41
2.3.3. Supplier-Model Matrix for Shock Wave Lithotripter System with Accessories	42
2.3.4. Recent Technologies	42
2.3.5. Leading Competitors for ESWL Systems– Global Market Rank	43
2.3.6. Global Competitive Position Map – ESWL	43
2.3.7. Purchase Considerations	43
2.3.8. Comparison of Leading Brands of ESWL Systems	44
2.3.9. World ESWL Devices Market: Market Forecasts by Country/Region (2008-2016, \$US)	45
2.4. Market Segment Analysis – Holmium Lasers	46
2.4.1. Key Product Segment Parameters (KeyProdSeg Grid)	46
2.4.2. Product and Procedure Overview	47
2.4.3. Supplier-Model Matrix for Laser Lithotripsy System & Accessories	47
2.4.4. Recent Technologies	48
2.4.5. Leading Competitors for Holmium Laser Devices – Global Market Rank	48
2.4.6. Global Competitive Position Map – Holmium Laser Devices	48
2.4.7. Purchase Considerations	49
2.4.8. Comparison of Leading Brands of Holmium Laser Devices	50
2.4.9. World Holmium Laser Devices Market: Market Forecasts by Country/Region (2008-2016, \$US)	51
2.5. Market Segment Analysis – Intracorporeal Lithotripsy	52
2.5.1. Key Product Segment Parameters (KeyProdSeg Grid)	52
2.5.2. Product and Procedure Overview	53

2.5.3. Supplier-Model Matrix for Intracorporeal Lithotripsy ----- 54

2.4.4. Recent Technologies ----- 54

2.5.5. Leading Competitors for Intracorporeal Lithotripsy Devices – Global Market Rank ----- 55

2.5.6. Global Competitive Position Map – Intracorporeal Lithotripsy ----- 55

2.5.7. Purchase Considerations ----- 55

2.5.8. Comparison of Leading Brands of Ultrasonic Lithotripters ----- 56

2.5.9. Comparison of Leading Brands of Mechanical Lithotripters ----- 57

2.5.10. World Intracorporeal Lithotripsy Devices Market: Market Forecasts by Country/Region (2008-2016, \$US) ----- 58

2.6. Market Segment Analysis – Ureteral Stents ----- 59

2.6.1. Key Product Segment Parameters (KeyProdSeg Grid) ----- 59

2.6.2. Product and Procedure Overview ----- 59

2.6.3. Supplier-Model Matrix for Ureteral Stents ----- 60

2.6.4. Leading Competitors for Ureteral Stents – Global Market Rank ----- 61

2.6.5. Global Competitive Position Map – Ureteral Stents ----- 61

2.6.6. Purchase Considerations ----- 62

2.6.7. World Ureteral Stents Market: Market Forecasts by Country/Region (2008-2016, \$US) ----- 63

2.7. Market Segment Analysis – Urological Stone Retrieval Devices ----- 64

2.7.1. Key Product Segment Parameters (KeyProdSeg Grid) ----- 64

2.7.2. Product and Procedure Overview ----- 64

2.7.3. Recent Technologies ----- 65

2.7.4. Supplier-Model Matrix for Stone Retrieval Baskets & Forceps ----- 65

2.7.5. Leading Competitors for Stone Retrieval Devices – Global Market Rank ----- 66

2.7.6. Global Competitive Position Map for Stone Retrieval Devices ----- 67

2.7.7. Purchase Considerations ----- 67

2.7.8. World Stone Retrieval Devices Market: Market Forecasts by Country/Region (2008-2016, \$US) 68

SECTION 3 – US MARKET ----- 69

3.1. US Market for Urolithiasis (Urinary Stone) Management Devices ----- 69

3.2. US Market for ESWL ----- 70

3.3. US Market for Holmium Laser Devices ----- 71

3.4. US Market for Intracorporeal Lithotripsy Devices ----- 72

3.5. US Market for Stone Removal Devices ----- 73

3.6. US Market for Ureteral Stents ----- 74

SECTION 4 – EUROPEAN MARKET ----- 75

4.1. European Market for Urolithiasis (Urinary Stone) Management Device ----- 75

4.2. European Market for Extracorporeal Shock Wave Lithotripsy (ESWL) Devices	76
4.3. European Market for Holmium Laser Devices.....	77
4.4. European Market for Intracorporeal Lithotripsy Devices	78
4.5. European Market for Stone Retrieval Devices	79
4.6. European Market for Ureteral Stents.....	80
SECTION 5 – JAPANESE MARKET	81
5.1. Japanese Market for Urolithiasis (Urinary Stone) Management Devices	81
5.2. Japanese Market for Extracorporeal Shock Wave Lithotripsy (ESWL) Devices	82
5.3. Japanese Market for Holmium Laser Devices	83
5.4. Japanese Market for Intracorporeal Lithotripsy Devices.....	84
5.5. Japanese Market for Stone Retrieval Devices	85
5.6. Japanese Market for Ureteral Stents.....	86
SECTION 6– REST OF THE WORLD (ROW) MARKET	87
6.1. ROW Market for Urolithiasis (Urinary Stone) Management Devices.....	87
6.2. ROW Market for Extracorporeal Shock Wave Lithotripsy (ESWL) Devices.....	88
6.3. ROW Market for Holmium Laser Devices.....	89
6.4. ROW Market for Intracorporeal Lithotripsy Devices	90
6.5. ROW Market for Stone Retrieval Devices	91
6.6. ROW Market for Ureteral Stents.....	92
SECTION 7 – COMPANY REVIEWS.....	93
Applied Medical Technology, Inc.	93
Overview.....	93
Key Contact	93
Product Matrix	93
C. R. Bard, Inc.	94
Overview.....	94

Management Team	94
Financial Summary	95
Product Matrix - Stone Management	95
Bard Medical Division	96
Overview	96
Product Matrix	96
Beijing Zhongke Jian'an Meditechnics Co Ltd	97
Overview	97
Product Matrix	97
Boston Scientific Corp	97
Overview	97
Management Team	98
Urology Product Matrix	98
Financial Summary	99
Conmed Corporation	101
Overview	101
Management Team	102
Product Matrix	102
Financial Summary	107
Convergent Laser Technologies	110
Overview	110
Key Contact	110
Product Matrix	110
Cook Endoscopy	110
Overview	110
Key Contact	111
Product Matrix	111
Cook Urological	115
Overview	115
Key Contact	115
Product Matrix	115
Dirax Systems Corp.	116
Overview	117
Product Matrix	117
Dornier MedTech GmbH	118
Overview	118
Management Team	118
Product Matrix	118

EDAP TMS S.A.	119
Overview	119
Management Team	119
Product Matrix	120
Financial Summary	120
Elmed Electronics & Medical Industry & Trade Inc.	120
Overview	121
Management Team	121
Product Matrix	121
ELMSTech Medical, Inc.	121
Overview	121
Product Matrix	122
EMS SA	122
Overview	122
Product Matrix	122
Fujinon Inc Medical Div	123
Overview	123
Management Team	123
Product Matrix	124
Other Products	124
Guangzhou POTENT Optoelectronics Technology Co., Ltd.	125
Overview	125
Product Matrix	125
Gyrus ACMI Inc.	125
Overview	125
Management Team	126
Product Matrix	126
HealthTronics, Inc.	128
Overview	128
Management Team	129
Product Matrix	129
Financial Summary	129
Hobbs Medical Inc	130
Overview	130
Product Matrix	131
KARL STORZ GmbH & Co. KG	132
Overview	132
Management Team	132

Product Matrix	132
Storz Medical AG	134
Overview	134
Product Matrix	134
Limmer Laser GmbH	135
Overview	135
Management Team	135
Product Matrix	135
Lumenis Ltd.	135
Overview	135
Management Team	136
Product Matrix	136
Financial Summary	136
Medical Coaches Inc	139
Overview	140
Management Team	140
Products	140
Medi-Globe GmbH	140
Overview	141
Management Team	141
Product Matrix	141
Medispec LTD	143
Overview	143
Management Team	143
USA - Product Matrix	143
International Product Matrix	143
New Element Medical Equipment Technology Development Co., Ltd.	144
Overview	144
Products	144
New Star Lasers, Inc.	144
Overview	145
Management Team	145
Product	145
Northgate Technologies Inc.	145
Overview	145
Product Matrix	145
Olympus Medical Systems Group	145

Overview	146
Management Team	146
Management Team (USA)	146
Product Matrix	147
Financial Summary	149
PercSys	149
Overview	150
Management Team	150
Products	150
PhotoMedex	150
Overview	150
Management Team	150
Product Matrix	151
Financial Summary	151
Richard Wolf GmbH	152
Overview	152
Management Team	152
Product Matrix	152
Siemens Healthcare	154
Overview	154
Management Team	154
Product Matrix	154
Financial Summary	155
Smit Mobile Equipment bv	156
Overview	156
Product Matrix	156
STORZ MEDICAL AG	157
Overview	157
Key Contact	157
Product Matrix	157
Surgimedik Healthcare India Pvt. Ltd.	158
Overview	158
Key Contact	158
Product Matrix	158
TeleMed Systems Inc.	160
Overview	161
Product Matrix	161
W.O.M. (WORLD OF MEDICINE) AG	162

Overview----- 162
 Management Team----- 163
 Product Matrix----- 163
 Financial Summary----- 163

SECTION 8 - RESEARCH METHODOLOGY ----- 165

7.1. Data Collection - Primary Research----- 165
 7.2. Data Collection - Secondary Research----- 165
 7.3. Analysis and Interpretation----- 166
 7.4. Data Presentation----- 166
 7.5. Data Reliability and Limitations----- 166
 7.6. Marketstrat® Analytical Framework----- 166
 7.7. Industry Trends----- 167
 7.8. Company Reviews----- 167
 7.9. Project Approach----- 168

List of Tables

TABLE 1: WORLD – URINARY STONE MANAGEMENT DEVICES REVENUE FORECASTS (2008-2016, \$ MILL) 31
 TABLE 2: WORLD - EXTRACORPOREAL SHOCKWAVE LITHOTRIPSY (ESWL) DEVICES REVENUE FORECASTS
 (2008-2016, \$ MILL) 32
 TABLE 3: WORLD - HOLMIUM LASERS REVENUE FORECASTS (2008-2016, \$ MILL) 33
 TABLE 4: WORLD - INTRACORPOREAL LITHOTRIPSY DEVICES REVENUE FORECASTS (2008-2016, \$ MILL) . 34
 TABLE 5: WORLD - STONE RETRIEVAL DEVICES REVENUE FORECASTS (2008-2016, \$ MILL) 35
 TABLE 6: WORLD - URETERAL STENTS REVENUE FORECASTS (2008-2016, \$ MILL) 36
 TABLE: 7 WORLD ESWL DEVICES REVENUE FORECASTS BY COUNTRY/REGION - 2008-2016 (\$ MILL) 45
 TABLE 8: WORLD HOLMIUM LASERS REVENUE FORECASTS BY COUNTRY/REGION - 2008-2016 (\$ MILL) .. 51
 TABLE 9: WORLD INTRACORPOREAL LITHOTRIPSY DEVICES REVENUE FORECASTS BY COUNTRY/REGION -
 2008-2016 (\$ MILL) 58
 TABLE 10: WORLD URETERAL STENTS REVENUE FORECASTS BY COUNTRY/REGION - 2008-2016 (\$ MILL) 63
 TABLE 11: WORLD STONE RETRIEVAL DEVICES REVENUE FORECASTS BY COUNTRY/REGION - 2008-2016 (\$
 MILL) 68
 TABLE 12: USA - URINARY STONE MANAGEMENT DEVICES REVENUE FORECASTS (2008-2016, \$ MILL) 69
 TABLE 13: USA - EXTRACORPOREAL SHOCKWAVE LITHOTRIPSY (ESWL) DEVICES REVENUE FORECASTS
 (2008-2016, \$ MILL) 70
 TABLE 14: USA - HOLMIUM LASERS REVENUE FORECASTS (2008-2016, \$ MILL)..... 71
 TABLE 15: USA - INTRACORPOREAL LITHOTRIPSY DEVICES REVENUE FORECASTS (2008-2016, \$ MILL) 72
 TABLE 16: USA - STONE RETRIEVAL DEVICES REVENUE FORECASTS (2008-2016, \$ MILL) 73
 TABLE 17: USA - URETERAL STENTS REVENUE FORECASTS (2008-2016, \$ MILL) 74
 TABLE 18: EUROPE - URINARY STONE MANAGEMENT DEVICES REVENUE FORECASTS (2008-2016, \$ MILL)
 75
 TABLE 19: EUROPE - EXTRACORPOREAL SHOCKWAVE LITHOTRIPSY (ESWL) DEVICES REVENUE FORECASTS
 (2008-2016, \$ MILL) 76
 TABLE 20: EUROPE - HOLMIUM LASERS REVENUE FORECASTS (2008-2016, \$ MILL) 77
 TABLE 21: EUROPE - INTRACORPOREAL LITHOTRIPSY DEVICES REVENUE FORECASTS (2008-2016, \$ MILL)78

TABLE 22: EUROPE - STONE RETRIEVAL DEVICES REVENUE FORECASTS (2008-2016, \$ MILL) 79

TABLE 23: EUROPE - URETERAL STENTS REVENUE FORECASTS (2008-2016, \$ MILL) 80

TABLE 24: JAPAN - URINARY STONE MANAGEMENT DEVICES REVENUE FORECASTS (2008-2016, \$ MILL) 81

TABLE 25: JAPAN - EXTRACORPOREAL SHOCKWAVE LITHOTRIPSY (ESWL) DEVICES REVENUE FORECASTS
(2008-2016, \$ MILL) 82

TABLE 26: JAPAN - HOLMIUM LASERS REVENUE FORECASTS (2008-2016, \$ MILL) 83

TABLE 27: JAPAN - INTRACORPOREAL LITHOTRIPSY DEVICES REVENUE FORECASTS (2008-2016, \$ MILL) . 84

TABLE 28: JAPAN - STONE RETRIEVAL DEVICES REVENUE FORECASTS (2008-2016, \$ MILL) 85

TABLE 29: JAPAN - URETERAL STENTS REVENUE FORECASTS (2008-2016, \$ MILL) 86

TABLE 30: ROW - URINARY STONE MANAGEMENT DEVICES REVENUE FORECASTS (2008-2016, \$ MILL) .. 87

TABLE 31: ROW - EXTRACORPOREAL SHOCKWAVE LITHOTRIPSY (ESWL) DEVICES REVENUE FORECASTS
(2008-2016, \$ MILL) 88

TABLE 32: ROW - HOLMIUM LASERS REVENUE FORECASTS (2008-2016, \$ MILL) 89

TABLE 33: ROW - INTRACORPOREAL LITHOTRIPSY DEVICES REVENUE FORECASTS (2008-2016, \$ MILL) ... 90

TABLE 34: ROW - STONE RETRIEVAL DEVICES REVENUE FORECASTS (2008-2016, \$ MILL) 91

TABLE 35: ROW - URETERAL STENTS REVENUE FORECASTS (2008-2016, \$ MILL) 92

List of Figures

FIGURE 1: WORLD - URINARY STONE MANAGEMENT DEVICES REVENUE FORECASTS (2008-2016, \$ MILL)
..... 31

FIGURE 2: WORLD - ESWL DEVICES REVENUE FORECASTS (2008-2016, \$ MILL) 32

FIGURE 3: WORLD - HOLMIUM LASERS REVENUE FORECASTS (2008-2016, \$ MILL) 33

FIGURE 4: WORLD - INTRACORPOREAL LITHOTRIPSY DEVICES REVENUE FORECASTS (2008-2016, \$ MILL) 34

FIGURE 5: WORLD - STONE RETRIEVAL DEVICES REVENUE FORECASTS (2008-2016, \$ MILL) 35

FIGURE 6: WORLD - URETERAL STENTS REVENUE FORECASTS (2008-2016, \$ MILL) 36

FIGURE 7: WORLD ESWL DEVICES REVENUE FORECASTS BY COUNTRY/REGION - 2008-2016 (\$ MILL) 45

FIGURE 8: WORLD HOLMIUM LASERS REVENUE FORECASTS BY COUNTRY/REGION - 2008-2016 (\$ MILL) 51

FIGURE 9: WORLD INTRACORPOREAL LITHOTRIPSY DEVICES REVENUE FORECASTS BY COUNTRY/REGION -
2008-2016 (\$ MILL) 58

FIGURE 10: WORLD URETERAL STENTS REVENUE FORECASTS BY COUNTRY/REGION - 2008-2016 (\$ MILL)
..... 63

FIGURE 11: WORLD STONE RETRIEVAL DEVICES REVENUE FORECASTS BY COUNTRY/REGION - 2008-2016
(\$ MILL) 68

FIGURE 12: USA - URINARY STONE MANAGEMENT DEVICES REVENUE FORECASTS (2008-2016, \$ MILL) -- 69

FIGURE 13: USA - EXTRACORPOREAL SHOCKWAVE LITHOTRIPSY REVENUE FORECASTS (2008-2016, \$ MILL)
..... 70

FIGURE 14: USA - HOLMIUM LASERS REVENUE FORECASTS (2008-2016, \$ MILL) 71

FIGURE 15: USA - INTRACORPOREAL LITHOTRIPSY DEVICES REVENUE FORECASTS (2008-2016, \$ MILL) --- 72

FIGURE 16: USA - STONE RETRIEVAL DEVICES REVENUE FORECASTS (2008-2016, \$ MILL) 73

FIGURE 17: USA - URETERAL STENTS REVENUE FORECASTS (2008-2016, \$ MILL) 74

FIGURE 18: EUROPE - URINARY STONE MANAGEMENT DEVICES REVENUE FORECASTS (2008-2016, \$ MILL)
..... 75

FIGURE 19: EUROPE - EXTRACORPOREAL SHOCKWAVE LITHOTRIPSY (ESWL) REVENUE FORECASTS (2008-
2016, \$ MILL) 76

FIGURE 20: EUROPE - HOLMIUM LASERS - REVENUE FORECASTS (2008-2016, \$ MILL)----- 77

FIGURE 21: EUROPE - INTRACORPOREAL LITHOTRIpsy DEVICES REVENUE FORECASTS (2008-2016, \$ MILL)
----- 78

FIGURE 22: EUROPE - STONE RETRIEVAL REVENUE FORECASTS (2008-2016, \$ MILL)----- 79

FIGURE 23: EUROPE - URETERAL STENTS REVENUE FORECASTS (2008-2016, \$ MILL) ----- 80

FIGURE 24: JAPAN - URINARY STONE MANAGEMENT DEVICES REVENUE FORECASTS (2008-2016, \$ MILL)
----- 81

FIGURE 25: JAPAN - EXTRACORPOREAL SHOCKWAVE LITHOTRIpsy (ESWL) DEVICES REVENUE FORECASTS
(2008-2016, \$ MILL) ----- 82

FIGURE 26: JAPAN - HOLMIUM LASERS REVENUE FORECASTS (2008-2016, \$ MILL)----- 83

FIGURE 27: JAPAN - INTRACORPOREAL LITHOTRIpsy DEVICES REVENUE FORECASTS (2008-2016, \$ MILL) 84

FIGURE 28: JAPAN - STONE RETRIEVAL DEVICES REVENUE FORECASTS (2008-2016, \$ MILL) ----- 85

FIGURE 29: JAPAN - URETERAL STENTS REVENUE FORECASTS (2008-2016, \$ MILL)----- 86

FIGURE 30: ROW – URINARY STONE MANAGEMENT DEVICES REVENUE FORECASTS (2008-2016, \$ MILL) 87

FIGURE 31: ROW - EXTRACORPOREAL SHOCKWAVE LITHOTRIpsy (ESWL) DEVICES REVENUE FORECASTS
(2008-2016, \$ MILL) ----- 88

FIGURE 32: ROW - HOLMIUM LASERS REVENUE FORECASTS (2008-2016, \$ MILL) ----- 89

FIGURE 33: ROW - INTRACORPOREAL LITHOTRIpsy DEVICES REVENUE FORECASTS (2008-2016, \$ MILL) - 90

FIGURE 34: ROW - STONE RETRIEVAL DEVICES REVENUE FORECASTS (2008-2016, \$ MILL)----- 91

FIGURE 35: ROW - URETERAL STENTS REVENUE FORECASTS (2008-2016, \$ MILL)----- 92