DEPUY SYNTHES SOLUTIONS
DePuy Synthes Companies of Johnson & Johnson is the largest, most comprehensive orthopaedic and neurological business in the world, built upon the strong legacies of two great companies. DePuy Synthes Companies offer an unparalleled breadth and depth of technology, devices, services and programs in the areas of joint reconstruction, trauma, spine, sports medicine, neurological, cranio-maxillofacial, power tools and biomaterials. Our broad array of inspired, innovative and high-quality offerings help advance the health and wellbeing of people around the world.

DePuy Synthes Joint Reconstruction markets orthopaedic devices, solutions and supplies for hip, knee and extremity reconstruction, in addition to cement and operating room products.

The unmet needs in orthopaedic and neurological care are significant. With insights from patients, physicians, providers, payors and policymakers to guide us, DePuy Synthes Companies are uniquely positioned to meet these needs and deliver life-changing medical innovation. At DePuy Synthes Companies, we aspire to be your partner of choice, delivering high standards of quality in everything we do.
HIP SOLUTIONS

A comprehensive range of hip solutions to help meet your patient needs

Femoral Solutions – Cemented

- CHARNLEY® Total Cemented Hip System
- AUTOBLOQUANTE® Femoral Component
- CORAIL® Cemented Hip System
- C-STEM® AMF Triple Tapered Stabilized Hip
- SUMMIT® Splayed Hip System
- CORAIL Cementless Hip System
- TRI-LOCK® Bone Preservation Stem

Acetabular Solutions – Cemented

- MARATHON™ Cemented Cup
- OGEE® Cemented Cup

DePuy Synthes Revision Hip Solutions

- CORAIL Revision
- S-ROM® SOLUTION® RECLAIM® REEF® LPS®
- INSTRUMENTATION
- DIRECT ANTERIOR APPROACH

Cementless

- Pinnacle® Cementless Cup
- DURALOC® Cementless Cup
- S-ROM® RECLAIM™ REEF™ DIRECT ANTERIOR APPROACH

Surgical Technique

- HIP SOLUTIONS

Hip replacement products and techniques

- Over 50 years of hip arthroplasty starting with the CHARNLEY® heritage
- In Q4 2012, CORAIL achieved over 1 million unit sales worldwide since its introduction
- In Q3 2011, PINNACLE achieved over 1 million unit sales worldwide since its introduction
- Complete range of implants and instruments for hip revision surgery
- Delivering comprehensive education programs for single-incision Anterior Approach
- CORAIL together with PINNACLE is the most used cementless construct according to the 2012 Annual Reports from the UK National Joint Registry and the Australian Orthopaedic Association National Joint Replacement Registry
Knee replacement products

- DePuy Synthes is offering one of the most comprehensive knee portfolios
- Survivorship of the SIGMA® HP Partial knee compares favourably within the class of UKA
- SIGMA is one of the most clinically proven total knee replacement systems and is supported by 96 Journal Articles and 5 national joint registry reports on 251,292 SIGMA knees
- Over 25 Years of progress and innovation with SIGMA Primary Knee System
- Over 35 Years of progress and innovation with LCS® Primary Knee System
- The new ATTUNE® Primary Total Knee System has been designed to help improve functional outcomes for patients, performance for surgeons and efficiency for providers

KNEE SOLUTIONS

DePuy Synthes’s philosophy in knee replacement is to provide a system of implant options that specifically match the requirements of each patient

The SIGMA Family

- SIGMA Fixed Bearing
  - Cruciate Retaining
  - Sacrificing and Substituting
- SIGMA Rotating Platform
  - Cruciate Retaining
  - Sacrificing and Substituting
- SIGMA High Performance Partial Knee
  - Unicondylar and Patellofemoral

The ATTUNE Primary Total Knee System

- ATTUNE Fixed Bearing
  - Cruciate Retaining
  - Sacrificing and Substituting
- ATTUNE Rotating Platform
  - Cruciate Retaining
  - Sacrificing and Substituting

LCS Mobile Bearing System

- LCS
  - High Performance
- LCS RPS Flexion
- LCS TC3
- LCS Revision
- S-ROM®
  - Noiles Hinge
- LCS Limb Preservation System

Knee Revision Portfolio

- LCS
  - RPS Revision
- LCS TC3
- SIGMA TC3
- SIGMA Revision
- SIGMA and LCS

Custom-Made Solutions

- High Performance Primary Instruments
  - SIGMA and LCS
- TRUMATCH
  - Personalized Solutions
SHOULDER SOLUTIONS

A comprehensive range of solutions to help you meet patient needs

Primary (anatomic) Shoulder

• GLOBAL C.A.P® and GLOBAL C.A.P CTA
  Resurfacing

• GLOBAL AP™
  Anatomic Shoulder (Adjustable Prosthesis)

• GLOBAL ADVANTAGE™
  Shoulder Arthroplasty System

Reverse Shoulder

• GLOBAL® A.P.G+
  Advanced Cannulated Instrumentation System

• GLOBAL® A.P.G
  Anchor Peg Glenoid

Fracture Shoulder

• DELTA XTEND™
  Reverse Shoulder System

• GLOBAL® FX
  Fracture Prosthesis

Shoulder replacement products

• Over 60,000 patients treated with the DELTA XTEND worldwide since 2007.

• The GLOBAL Anchor Peg Glenoid provides stable and durable fixation at short and midterm follow-up.
TRAUMA SOLUTIONS

Worldwide partner for fracture treatment. Trauma implants and instruments are used for the surgical treatment of fractures, deformities and tumor diseases.

Shoulder and Elbow

- PHILOS Augmentation
- MULTEOC
- VA and LCP
- VA-LCP Elbow System

Hand and Wrist

- VA-LCP Two-Column
- LCP Compact Hand
- VA-Locking Interosseous Fusion Plate
- Headless Compression Screws

Hip and Pelvis

- PYNA Augmentation
- LCP Dynamic Hip Screw (DHS)
- Expert Lateral Femoral Nail (LFN)
- LCP Plate 5.0 and Cables

Trauma Technologies

- LCP Locking Compression Plates merge locking screw technology with conventional plating techniques
- LCP combi-hole: angular stable locking and/or compression
- Angular stability independent of bone quality
- Support of biological osteosynthesis even in the case of complex fractures and osteoporosis
TRAUMA SOLUTIONS

Worldwide partner for fracture treatment. Trauma implants and instruments are used for the surgical treatment of fractures, deformities and tumor diseases.

Knee

- Expert Tibial Nail (ETN)
- Expert Retrograde/Antegrade Femoral Nail (R/AFN)
- VA-LCP Condylar Plate 4.5/5.0
- VA-LCP Proximal Tibial Plate 3.5

Foot and Ankle

- VA-LCP Forefoot/Midfoot System
- VA-LCP Medial/Distal Tibia Plates
- VA-LCP Anterolateral Distal Tibia Plates
- Headless Compression Screws

Pediatrics

- Titanium Elastic Nail (TEN)
- LCP Pediatric Hip and Condylar Plates
- Expert Adolescent Lateral Femoral Nail
- Slipped Capital Femoral Epiphysis (SCFE) Hip Screw System

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**Trauma Technologies**

- **The Angular Stable Locking System (ASLS)** provides the ability to create a fixed-angle construct to an intramedullary nail. Therefore, it combines the advantages of angular stability and a minimally invasive approach.
- **ASLS is particularly indicated in cases where increased stability is needed**, for example in fractures closer to the metaphyseal area or in poor quality bone.
- **ASLS can be used in combination with all DePuy Synthes cannulated titanium nails** as an alternative to standard locking screws. It is especially suited for the use with the Expert Nailing System and the MultiLoc Humeral Nailing System.
Power Tool products

- A comprehensive range of battery-driven, electric and air instrument systems to meet the needs in a variety of Trauma and Orthopaedic procedures
- Designed to deliver consistent power and smooth performance for even the most demanding applications
- Over 40 years of experience in designing and manufacturing Power Tools

POWER TOOLS

A complete portfolio of dedicated Power Tools for Trauma and Orthopaedic surgery

Large Bone Portfolio

- Battery Power Line II / Air Power Line II
- Trauma Recon System
- Compact Air Drive II

Small Bone Portfolio

- Colibri II
- Small Electric Drive
- Electric Pen Drive / Air Pen Drive

Cutting Tools Portfolio

- Large and Small Bone Cutting Tools
  - Aggressive saw blades for joint replacement with centring effect
  - Standard saw blades for Traumatology with soft-tissue preservation and good cutting performance
  - Broad range of punches, rasps, broaches and drill bits
## CEMENTING SOLUTIONS

A comprehensive portfolio of cementing solutions to help meet your patient needs

### Non-Medicated Cements

<table>
<thead>
<tr>
<th>Bone Cement</th>
<th>Cement Type</th>
<th>Viscosity</th>
</tr>
</thead>
<tbody>
<tr>
<td>DePuy CMW 1</td>
<td>Bone Cement</td>
<td>High viscosity</td>
</tr>
<tr>
<td>DePuy CMW 2</td>
<td>Bone Cement</td>
<td>Fast setting</td>
</tr>
<tr>
<td>SMARTSET® HV</td>
<td>Bone Cement</td>
<td>Medium viscosity</td>
</tr>
<tr>
<td>SMARTSET MV ENDURANCE™</td>
<td>Bone Cement</td>
<td>High viscosity</td>
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<td>Bone Cement</td>
<td>High viscosity</td>
</tr>
<tr>
<td>SMARTSET GHV GENTAMICIN</td>
<td>Bone Cement</td>
<td>Medium viscosity</td>
</tr>
</tbody>
</table>

### Medicated Cements

- DePuy CMW 1 GENTAMICIN® Bone Cement
- DePuy CMW 2 GENTAMICIN® Bone Cement
- SMARTSET® HV GENTAMICIN Bone Cement
- SMARTSET MV ENDURANCE GENTAMICIN Bone Cement
- SMARTSET GHV GENTAMICIN Bone Cement
- SMARTSET GMV ENDURANCE GENTAMICIN Bone Cement

### Bone Cement Products

- Over 50 years of use in hip arthroplasty, starting with Charnley heritage
- A comprehensive cement portfolio designed to meet a range of cemented joint arthroplasty needs
- All cements are available formulated with or without GENTAMICIN Sulphate
- A broad range of accessory products designed to enhance cementation quality

### Bowls

- Open Mixing Bowl
- SMARTMIX® Bowl
- SMARTMIX CEMVAC

### Syringes

- Standard CEMVAC® Vacuum mixing syringe system
- SMARTMIX CEMVAC Vacuum mixing syringe system
- SMARTMIX CEMVAC Pre-filled with SMARTSET HV GENTAMICIN bone cement Vacuum mixing syringe system

### Pre-filled Systems

- SMARTSET® HV Bone Cement
- SMARTSET MV ENDURANCE Bone Cement
- SMARTSET GHV GENTAMICIN Bone Cement
- SMARTSET GMV ENDURANCE GENTAMICIN Bone Cement

### Bone Restrictors

- BIOSTOP® G Biodegradable Restrictor
- HARRIDGE Femoral Cement Restrictor
- Plastic Restrictor
- SMARTISAL™ Wedge Femoral Pressuriser
- SMARTISAL™ Standard Femoral Pressuriser
- SMARTISAL™ Articulating Pressuriser
At the DePuy Synthes Companies, we are inspired by you.

As an Orthopaedics and Neurological solutions company, we are committed to understanding your needs. Through our shared, strong relationships, we activate insights and translate our knowledge to provide life-changing solutions.

We also know that yesterday’s solutions are not enough to solve tomorrow’s problems. Our relentless focus on quality, value, and outcomes is enhanced by our dedication to redefining innovation beyond known challenges.

Ultimately, our work is about more than just creating new products. It is about finding new ways to continuously advance care and improve patients’ lives.

Everything we do is motivated by you and created for you.
References

1. 1986-2012 sales data on file, DePuy International Ltd.
2. 2000-2011 sales data on file, DePuy International Ltd.
8. 2007-July 2012 sales data on file, DePuy International Ltd.