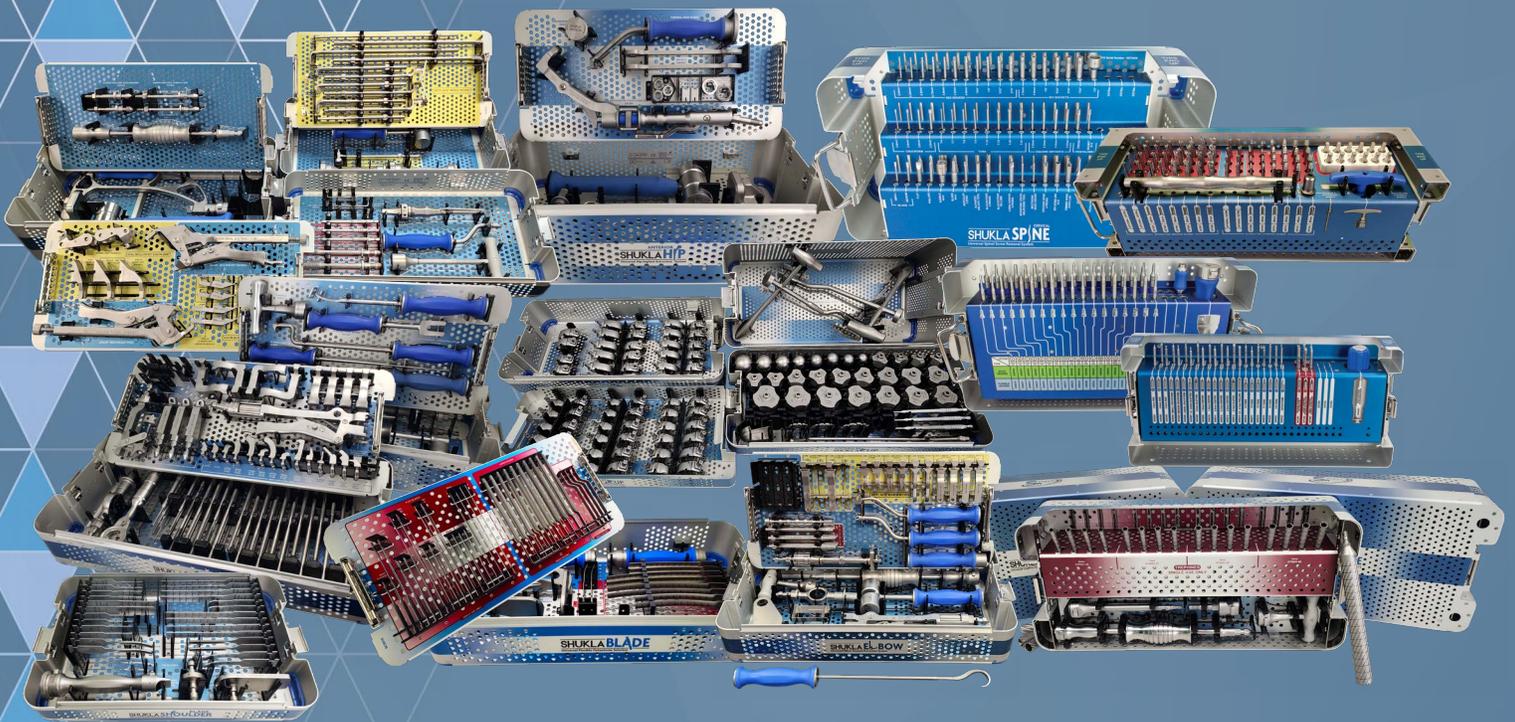




FULL PRODUCT SUITE

THE EXTRACTION EXPERTS

THE MOST COMPREHENSIVE UNIVERSAL
EXTRACTION SYSTEMS ON THE MARKET



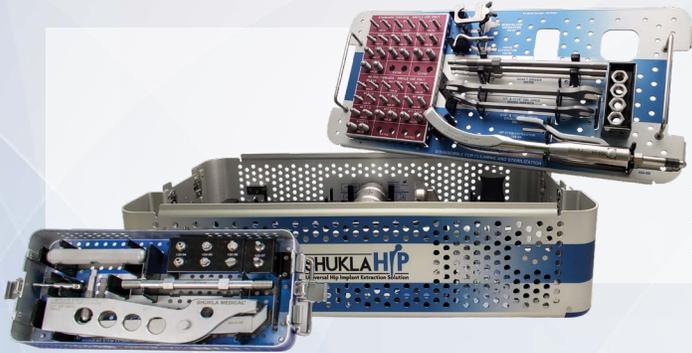
FOR MORE INFORMATION REGARDING ANY OF THESE PRODUCTS, PLEASE
ASK YOUR **SHUKLA** SALES REPRESENTATIVE OR GO TO OUR WEBSITE FOR
DETAILED PRODUCT AND SURGICAL TECHNIQUE GUIDES.

SHUKLA MEDICAL[®]
Universal Orthopedic Extraction Technologies



Extraction Strike Plate Frame & Mallet

- Included in SHUKLA Hip, Knee, & Nail extraction systems
- Apply crucial extraction force in-line with implant axis
- Controlled in-line force reduces stress to bone, minimizing risk of fractures



SHUKLA Hip

Universal Hip Implant Extraction System

- Remove virtually any type of hip stem
- Prevents slipping off the trunnion with exceptional grip strength
- Optional accessory system for modular stem extraction



ANTERIOR SHUKLA Hip

Universal Hip Implant Extraction System

- Remove virtually any type of hip stem through the anterior approach
- Prevents slipping off the trunnion with exceptional grip strength

ACETABULAR SHUKLA CUP

Universal Acetabular Cup Extraction System

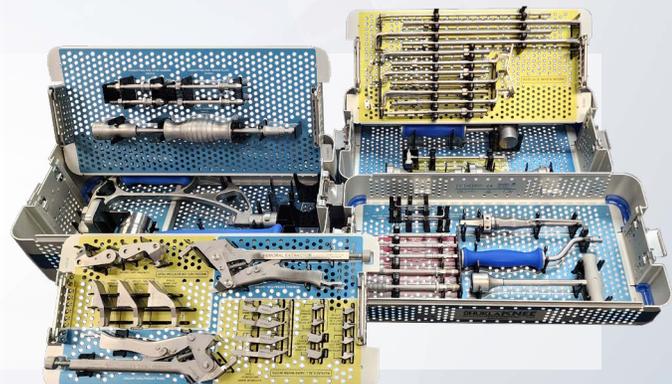
- Extract a universal range of acetabular cups
- Starter and Finisher Blades minimize bone loss during extraction
- Cup Handle provides unrivaled control over the cutting blades



SHUKLA KNEE V.2

Universal Knee Implant Extraction System

- Specialized osteotomes loosen implant to minimize bone loss
- Partial Knee and Revision Sleeve extraction capabilities
- Modular jaw vise grips adjust universally to virtually any size & style of knee implant





SHUKLA NAIL

Universal IM Nail Extraction System



- Multiple removal options for virtually any IM nail
- Bone-clearing features built into extractors decrease extra steps
- Minimize costly O.R. delays searching for compatible tools

SHUKLA NAIL

Universal Broken IM Nail Extraction System



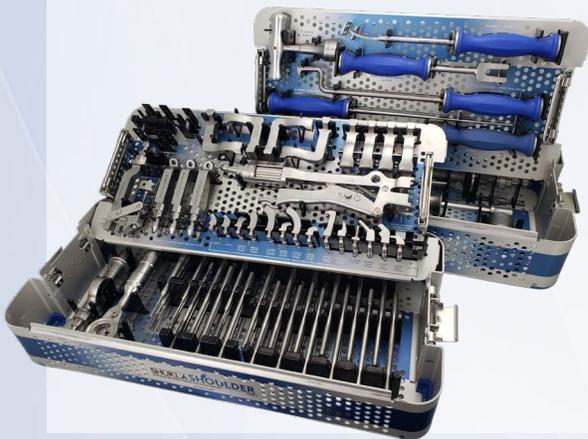
- Extracts a universal range of broken IM nails
- Three types of wires - Spear Tip, Ball Tip, and Round Tip
- Compatible with our Extractor T-Handle or Strike Plate Frame and Mallet

LAG SHUKLA SCREW

Universal Femoral Lag Screw Extraction System



- The only dedicated, universal lag screw removal system on the market



SHUKLA SHOULDER

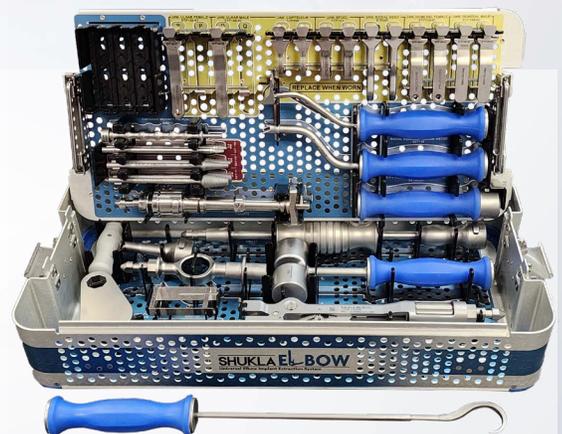
Universal Shoulder Implant Extraction System

- Extracts a universal range of shoulder implants
- Modular stem jaws, glenosphere jaws, threaded extractors, and more to engage with any shoulder implant geometries
- Compatible with both anatomical and reverse style implants

SHUKLA ELBOW

Universal Elbow Implant Extraction System

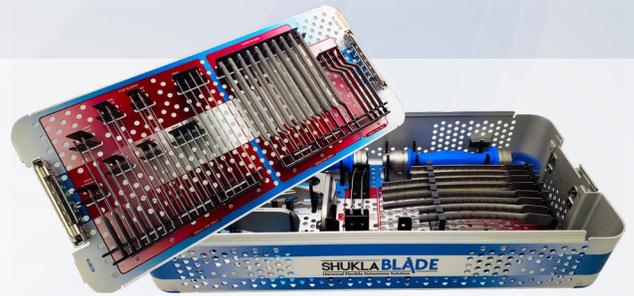
- Modular vise extractor with jaws designed to extract a universal range of humeral, ulnar, and radial implants
- Variety of punches, hooks, and wedges to help in extraction
- Designed to also accommodate the tricep sparing approach



SHUKLA BLADE

Universal Flexible Osteotome System

- 44 flexible osteotomes in 22 different configurations
- Calcar Blade to reach difficult calcar region of the femoral neck
- Osteotome handle is push-to-connect on both ends for blades and attachments

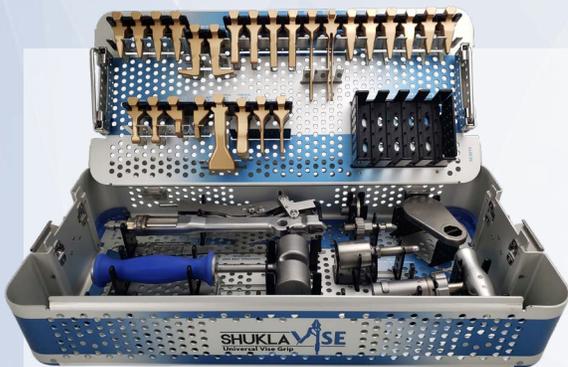


UPPER EXTREMITIES

SHUKLA BLADE

Universal Flexible Osteotome System

- 26 flexible osteotomes in 13 different configurations
- Fin Blades designed to break up bone interface around shoulder stem fins
- Osteotome handle is push-to-connect on both ends for blades and attachments



SHUKLA VISE

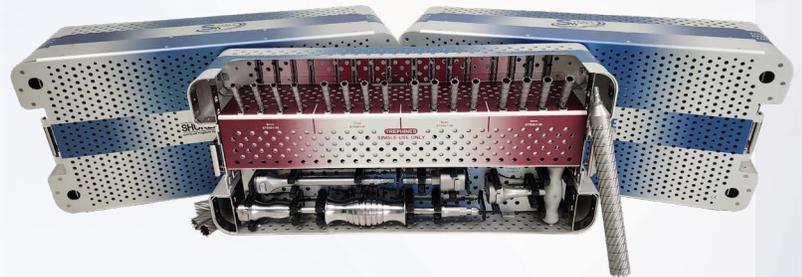
Universal Vise Grip System

- 20 unique quick-connect modular jaws
- Designed to remove a variety of commonly encountered orthopedic items such as staples, hex nuts, screws, pins, and more
- Push-to-connect instrumentation allows for the removal of items either linearly or perpedicularly depending on the scenario.

SHUKLA TREPHINE

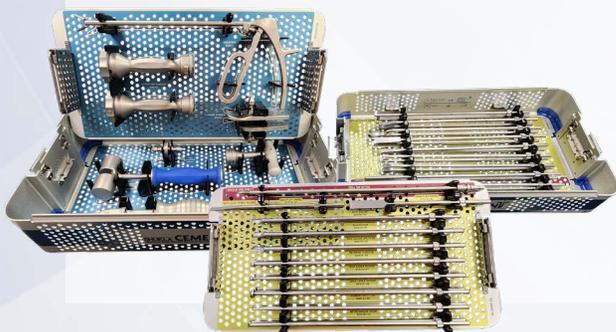
Universal Trephine System

- 21 different sizes of trephines ranging from 6mm all the way to 26mm
- Outward flared cutting teeth and helical grooves help move bone chips up and out
- Trephines can connect to instrumentation to allow for impaction in or out



SHUKLA CEMENT

Universal Bone Cement Removal System

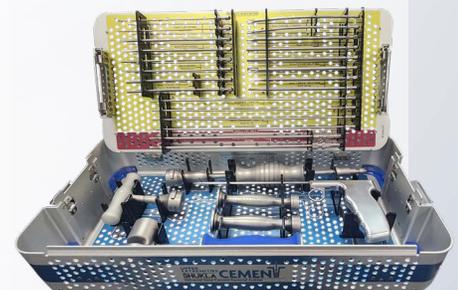


- Systems designed for the removal of bone cement in either the lower or upper extremities
- A wide range of Chisels and Gouges for breaking up bone cement post-removal of implants
- Graspers, Taps, Curettes, Scoops and more for the efficient removal of bone cement

UPPER EXTREMITIES

SHUKLA CEMENT

Universal Bone Cement Removal System





SHUKLA mini

Universal Small Screw Removal System

- Wide range of driver configurations simplify removal of virtually any small bone screws
- Includes drivers for broken, stripped, & seized small bone screws
- Ergonomic ratcheting handle reduces risk of surgeon fatigue

SHUKLA MAX

Universal Large Screw Extraction System



- Wide range of driver configurations simplify removal of virtually any large bone screws
- Access challenging anatomy without compromising torque using flexible or rigid SHUKLA Maxi drivers
- Ergonomic ratcheting handle reduces risk of surgeon fatigue



TRAUMA SHUKLA MAX

Universal Large Screw Extraction System

- Wide range of driver configurations simplify removal of virtually any large bone screws
- Designed for surgeons in trauma centers with two sets of rigid drivers for rapid swapping during surgery
- Ergonomic ratcheting handle reduces risk of surgeon fatigue

SHUKLA SCREW^{v.3}

Universal Broken & Stripped Screw Extraction System

- Remove damaged screws in seconds with minimal bone loss
- Extractor tips remove broken or stripped screws from 2mm-11.5mm
- Long extractors allow deeper reach for buried & challenging screws
- Breaker Bar for increased torque during non-powered removals



SHUKLA SCREWFLEX

Universal Flexible Broken & Stripped Screw Extraction System

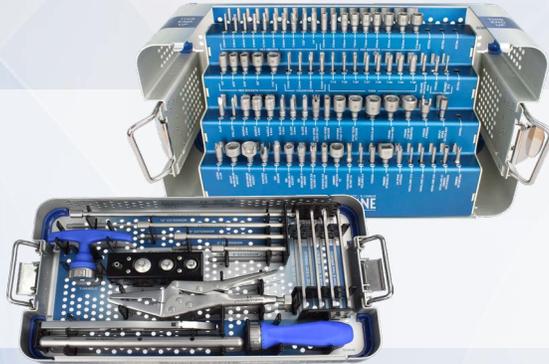
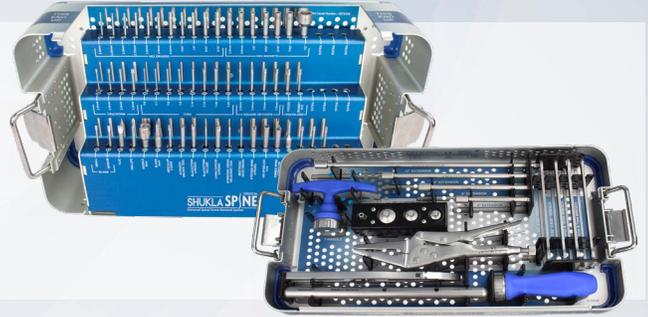
- Remove damaged screws in seconds with minimal bone loss
- Extractor tips remove broken or stripped screws from 2mm-11.5mm
- Uses our patented flexible shaft technology to remove damaged screws from hard-to-reach areas like the acetabular
- Guides help ensure the extractor tip reaches the screw at all times



SHUKLA SPINE

CERVICAL
Universal Spinal Screw Removal System

- 50+ drivers compatible with standard spinal implants
- 15+ drivers compatible with proprietary spinal implants
- Remove difficult screw constructs with Helicopter Sockets



SHUKLA SPINE

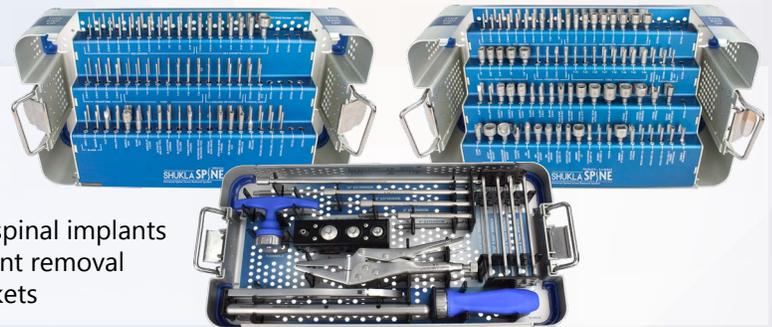
THORACIC & LUMBAR
Universal Spinal Screw Removal System

- 75+ drivers compatible with standard spinal implants
- 25+ drivers compatible with proprietary spinal implants
- Remove difficult screw constructs with Helicopter Sockets

SHUKLA SPINE

Universal Spinal Screw Removal System

- 130+ drivers compatible with standard & proprietary spinal implants
- Dedicated systems for cervical & thoracolumbar implant removal
- Remove difficult screw constructs with Helicopter Sockets



SHUKLA COPTER

Universal Pedicle Screw Construct Removal System

- Three different sizes of copter sockets available
- Allows for successful construct removal when conventional means fail
- Four sizes of extensions for easy access to any screw construct

LOOKING TOWARDS THE FUTURE...

SHUKLA SPINECAGE
Universal Spine Cage Removal System

SHUKLA FOOT & ANKLE
Universal Foot & Ankle Hardware Removal System

SHUKLA TRAUMA
Universal Trauma Hardware Removal System

SHUKLA HIP^{V.2}
Universal Hip Implant Extraction System

SHUKLA SPINE RODCUTTER
Universal Spine Rod Cutter



THE EXTRACTION EXPERTS

Shukla Medical designs and manufactures instrumentation for orthopedic implant extraction at our headquarters in St. Petersburg, Florida, USA. We are proud to be an ISO 13485:2016 Certified company.

In 1998, aerospace component manufacturer S.S. White Technologies, Inc. acquired the Medical Products Division of Snap-On. S.S. White rebranded the medical division in 2007 to create Shukla Medical.

Today, Shukla Medical is the industry leader in orthopedic implant extraction tools. We are the only company to offer a comprehensive, truly universal orthopedic revision line for removing IM nails, hip and knee implants, spine hardware, and broken or stripped screws. Surgeons and industry leaders know: **If Shukla can't get it out, no one can.**

Contact us to learn more

Shukla Medical
8300 Sheen Drive
St. Petersburg, FL 33709
www.ShuklaMedical.com

T: 888-4-SHUKLA
T: 888-474-8552
F: 727-626-2770

CS@ShuklaMedical.com



Emergo Europe
Westervoortsedijk 60
6827 AT Arnhem
The Netherlands



S9ALL



SHUKLA Medical
8300 Sheen Drive
St. Petersburg, FL 33709
USA



CONSULT
INSTRUCTIONS
FOR USE



NON-STERILE
PRODUCT



SHUKLA Surgical Tech Support
24 hours a day, 7 days a week
727-626-2771

When you have tried all known techniques to extract an implant or remove a screw but determine you need suggestions for alternate techniques, help is only a phone call away. We will quickly put you in touch with our Technical Experts who will suggest other solutions to use our tools.



SHUKLA Medical offers the best warranty in the industry. Every component in a SHUKLA extraction system is designed and manufactured by us. Every component in our extraction systems that is not a single-use* or a wear* component is warranted against manufacturing defects for the life* of the system. All other parts are covered for as long as the purchased version of the system is actively marketed by SHUKLA Medical.

*Please see our website for the complete explanation of these terms and full details on our warranty.