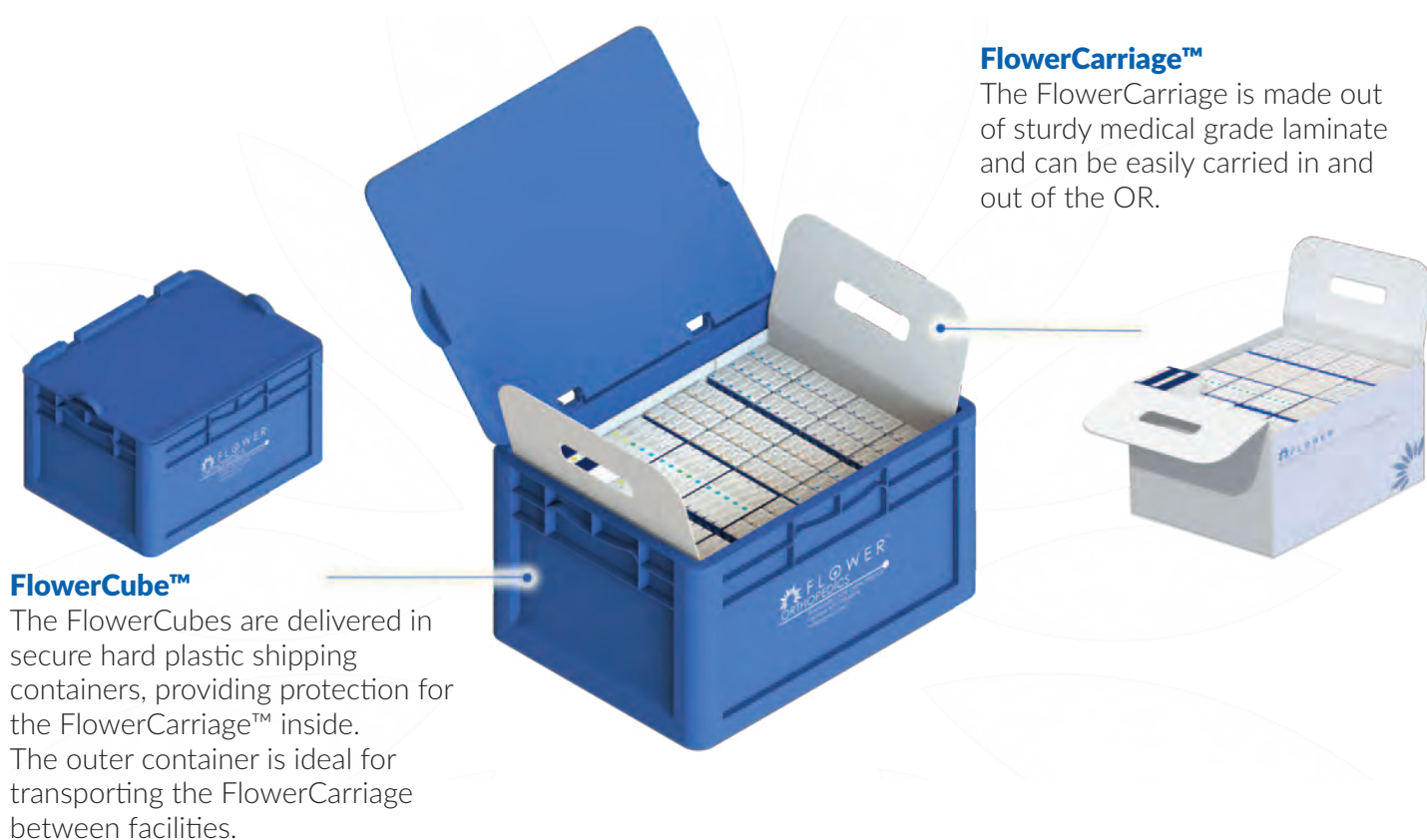


# FLOWERCUBE™ CONCEPT

Flower Orthopedics is the innovator of the FlowerCube™, a complete indication-based bone fixation platform. Designed for specific surgical procedures the FlowerCube contains all of the implants and instruments required for a case. All products are sterile packaged, single-use and always Ready-for-Surgery™ eliminating pre-operative, on-site sterilization and post-op cleaning and decontamination.

Flower Orthopedics offers a variety of indication and procedure based FlowerCube configurations for upper and lower extremity applications. In addition to standard configurations, FlowerCubes are fully customizable.

## The FlowerCube™ and FlowerCarriage™



# ANATOMY OF THE FLOWERCUBE™

## Flower Instrument Kits

Flower Instrument Kits include all instruments required for plate positioning and screw placement. Depending on the application, every kit contains a screw driver (cannulated or solid), preliminary fixation devices (olive wires or K-wires) and a depth gauge (plating and/or cannulated). Each Instrument Kit is sterile, single-use and designed to reduce surgical steps.



## Flower Trials

Sterile packaged trials can be used to pinpoint the exact implant size prior to opening the sterile packaged implant and also function as a bending template.



## Ancillary Instruments

Ancillary instruments including additional K-wires, plate benders and cup & cone reamer sets for MTP fusions are included in the FlowerCube™.



## FlowerCarriage™

The FlowerCarriage is made out of sturdy medical grade laminate and can be easily carried in and out of the OR.



## Flower Plates

Each sterile-packaged, titanium plate is designed for a particular indication. Plates are visible in the package and each package includes a QR and bar codes for lot traceability.



## Drill Bit Kits

Drill Bit Kits and Lag Screw Kits are packaged with the appropriate drill guides. Cannulated and solid drill bits for all applicable screw diameters are included in the FlowerCube. Drill Bits are always new, sharp and pristine.

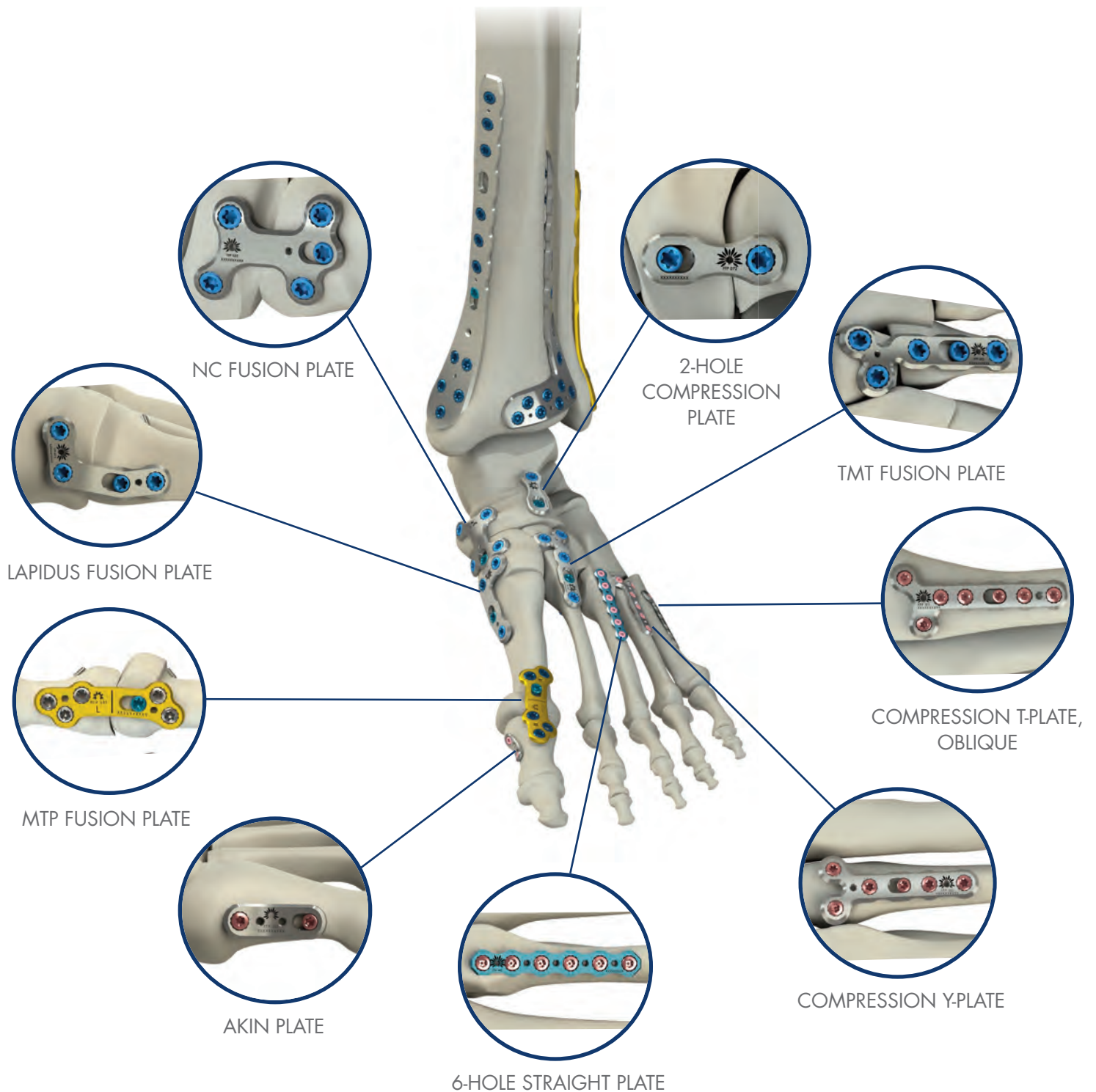


## Flower Plating and Cannulated Screws

Flower Plating and Cannulated Screws are individually packaged and clearly marked by diameter and length. Each type of screw (cannulated, locking, non-locking and compression) is color coded for simplified handling and easy recognition. Each package includes QR and bar codes for lot traceability.



## The Flower Foot & Ankle Application



### INDICATIONS FOR USE:

The Flower Small and Medium Implants set is intended for use for internal fixation of fractures and reconstruction of bones, including the scapula, olecranon, humerus, radius, ulna, pelvis, distal tibia, fibula, hand and foot in adults and for use in long bones in adolescents (12-21) in whom the growth plates have fused. Examples of these internal fixations and reconstructions include compression fractures, intra-articular and extra-articular fractures, displaced fractures, osteotomies, non-unions and mal-unions. This system can be used for palmar, ventral, dorsal and orthogonal application. The Flower Orthopedics Bone Screw set is intended to be used for the fixation of bone structures, fusion of joints of bone reconstruction.

## READY-FOR-SURGERY™ SOLUTIONS

# FLOWER MTP FUSION PLATE

### FEATURES

- Convergent and inline plate options
- Left and right orientations available
- Robust plate design provides strength and durability
- Inline plate features 5 degrees of dorsiflexion
- Convergent plate screw trajectories provide secure fixation
- Rounded edges and screws are set flush with the plate to provide a low-profile construct

“The New Flower MTP Fusion Plate offers a stable construct, anatomically contoured design, and a great solution to primary MTP joint arthritis and revision MTP fusion cases. An excellent addition to the Flower Orthopedics portfolio!”

— Dr. Arndt, Chicago, IL



## ORDERING INFORMATION

### MTP PLATES (CONVERGENT)

PRODUCT NO.	CONFIGURATION	SIZE
MFP 401	Left	6
MFP 402	Right	6



### MTP PLATES (INLINE)

PRODUCT NO.	CONFIGURATION	SIZE
MFP 011	Right	5
MFP 012	Left	5
MFP 111	Right	6
MFP 112	Left	6





## Flower Convergent MTP Fusion – Product Rationale



The Flower Convergent MTP Fusion Plate is a low profile neutralization plate requiring minimal soft tissue dissection and smaller surgical incisions.

The convergent MTP Fusion plate is designed to fit well the proximal phalanx and distal end of metatarsal and offer the option of compression through the plate via a compression slot. The mid-section of the plate will allow for one interfragmentary screw. This plate is an excellent option for end stage arthritis of the first MTP joint or severe hallux valgus with incongruity of the joint where a surgeon would determine an arthrodesis is necessary.

The Flower Convergent MTP Fusion Plate is available in the First Ray IndicationCube™.

## Flower Convergent MTP Fusion – Design Features

### PLATE RATIONALE

### SURGICAL BENEFIT



Clustered screw placement

Results in shorter plate length allowing minimal dissection and clearance from DIP joint

Convergent screw trajectories

Excellent option for revising failed fusions or arthroplasty devices



Proximal slot

Allows for up to 1.2mm compression through plate for additional stability



Robust yet low profile plate design

Strong construct, while allowing the screws to sit flush

## READY-FOR-SURGERY™ SOLUTIONS

# FOREFOOT

### FEATURES

- Bend zones facilitate optimal contouring
- Variable screw placement up to 20° cone
- Compression slots allow for fragment compression
- Low-profile, 1.5mm thickness
- Screws designed to sit flush within the plate



The Flower forefoot plate portfolio contains low-profile stabilization plates, designed to provide robust fixation while reducing implant prominence. Anatomic plate configurations with compression slots and all locking plates are available in multiple lengths and sizes to treat a wide variety of fractures and osteotomies.

## ORDERING INFORMATION

### Compression T-Plate, Straight

PRODUCT NO.	HOLES
FFP 317	7
FFP 318	8



### Compression Y-Plates

PRODUCT NO.	HOLES
FFP 306	6
FFP 307	7



### Compression T-Plate, Oblique

PRODUCT NO.	ORIENTATION	HOLES
FFP 107	Left	7
FFP 207	Right	7

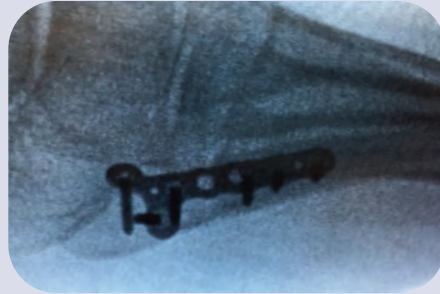


### Akin

PRODUCT NO.	HOLES
FFP 302	2



## The Flower Forefoot – Product Rationale



The Flower Forefoot plate portfolio contains low profile stabilization plates, designed to provide robust fixation while reducing implant prominence.

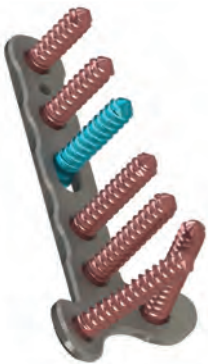
Both anatomic plate configurations with compression slots and all locking plates are available in multiple lengths and sizes to treat a wide variety of fractures and osteotomies.

Flower Forefoot plates allow for the use of variable angle locking and compression screws which both sit flush in the holes of the plate.

## The Flower Forefoot – Design Features

### PLATE RATIONALE

### SURGICAL BENEFIT



Broad range of plates to address various fracture patterns

Multiple surgical options

Low profile and anatomically contoured

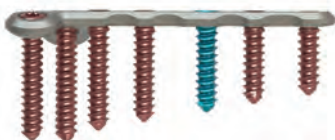
Reduces soft tissue irritation and minimizes bone contact

Plates accept 1.5mm, 2.0mm and 2.4mm locking and compression screws

Provides multiple screw options for intraoperative fracture management

The patented Flower Locking Mechanism and variable angle locking screw holes allow for +/- 10° of freedom

Allows surgeon to aim and lock the screw where appropriate given the anatomy and pathology



## The Flower Akin Plate – Product Rationale





The Flower Akin Plate consists of a low profile neutralization plate designed to uniquely accommodate the specific biomechanical and anatomic considerations of the proximal phalanx.

The Flower Akin Construct consists of two bicortical screws placed on either side of the osteotomy providing greater fixation than a single interfragmentary screw.

The Flower Akin Plate allows the surgeon to perform a transverse closing wedge osteotomy at the apex of the phalangeal deformity and achieve bicortical fixation. In the event a derotational osteotomy is necessary, bicortical fixation is essential. The Flower Akin Plate allows for use of variable angle locking and non-locking screws. Special compression screws are available for dynamic compression through the plate's compression slot.

## The Flower Akin Plate – Design Features

	PLATE RATIONALE	SURGICAL BENEFIT
	Plate features a locking and compression hole specific to the Akin Procedure.	Variable angle screw holes allow for $\pm 10^\circ$ of angulation in all directions.
	Plate is pre-contoured to fit on the curvature of the phalanx.	Limits need for plate bending and optimizes osteotomy placement at apex of deformity.
	Anatomic and low-profile	Plate avoids soft tissue irritation.
	Robust construct design	Plate and screw construct provides rotational stability and axial compression



## The Flower Small Bone Plates – Product Rationale





The Flower Small Bone Plating Construct consists of low profile stabilization plates designed to provide robust fixation while reducing implant prominence.

The wide variety of available plate configurations allow the Flower Small Bone Plates to treat numerous fracture patterns in the forearm, wrist, hand and foot.

Flower Small Bone Plates allow for the use of variable angle locking and non-locking screws, that sit flush in the screw holes of the plate.

## The Flower Small Bone Plates – Design Features

	PLATE RATIONALE	SURGICAL BENEFIT
	Broad range of plates to address various fracture patterns	Multiple surgical options to treat a variety of fractures
	Low profile (1.0mm and 1.5mm thickness)	Reduced soft tissue irritation and minimized bone contact
	Plates accept 1.5mm, 2.0mm and 2.4mm locking and non-locking screws	Provides multiple screw options for optimal fracture management
	The patented Flower Locking Mechanism and variable angle locking screw holes allow for +/- 10° of freedom	Allows surgeon to aim and lock the screw as needed without the need for special drill guides