



## i-FLEX

Soft tool polishing system for all lens formats:  
toric, spheric & free-form surfaces



High form accuracy and long life time of soft tools.  
Manually operated polishing system.

**satisloh**



i-FLEX polishes lenses with soft tools



Polishing pad



### Product Description:

Manually operated soft tool polishing system for All-Format lens surfaces.

i-FLEX is a CNC controlled polishing system providing outstanding performance in terms of form accuracy and surface quality.

Designed for best use in conjunction with all Satisloh VFT generators. All lens formats and all organic materials including polycarbonate and Trivex™ can be processed.

i-FLEX is a cost and space optimized solution and is targeting manual operated labs or wherever flexibility is needed.

### Features:

- Manually operated soft tool polishing system
- Processes all lens formats: spheric, toric and free-form surfaces
- Processes all organic lens materials incl. polycarbonate and Trivex™
- Large working range up to 14.5 dpt
- Hand-held spray- and air-pistol
- Barcode scanner with holder
- Short polishing times
- Small footprint
- Easy to operate
- Job specific process parameters are provided from central server ( i-FLEX-Server software)
- Drain with two-way valve for better cleaning of working area

### Benefits:

- Eliminates hard lap tools and associated labor cost
- High shape accuracy for all lens surfaces
- Short polishing times through high stock removal rates
- Small footprint saves valuable floor space
- Avoids operator induced failures through automatic parameter transmission from central server
- Low consumable costs through long life polishing tools

### Technical Information:

- **Tool concept:**  
Multi-use hard base caps with soft sandwich layers
- **Tool reception:**  
Proprietary interface for fast and secure tool exchange
- **Working range (n=1.523):**  
Base curve convex/concave: 0-14.5 dpt (strongest meridian: 14.5 dpt)  
Add. power (progressive lens): 0-3.5 dpt  
Lens diameter: 50-85 mm  
Lens reception: Satisloh blocking chuck
- **Interfaces:**  
VCA protocol, TCP/IP with Satisloh Data Communication Standard (requires i-FLEX-Server software)
- **Dimensions (w x d x h):**  
1105 x 1265 x 1783 mm /  
43 x 49 x 70 inches
- **Weight:**  
Approx. 690 kg / 1366 lb
- **Energy requirements:**  
400 V, 3 phase, 4 KW/ 208 V, 3 phase

### Options & Accessories:

- 40l slurry tank or Pmatic-10/16
- i-FLEX-Server software
- i-FLEX Consumables Polishing Package with long life tools and special polish
- Transformer for different input voltages
- Foot switch for opening collet chuck

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