

# Craniomaxillofacial Surgery



*Demand the Best!*

SURGICAL INSTRUMENTS FROM KLS MARTIN®  
*Oral/Maxillofacial - Plastic/Reconstructive - Cosmetic*  
*Craniofacial - Dental-Alveolar - Neuro - ENT*

**KLS** martin® L.P.



### *RESEARCH & DEVELOPMENT*

KLS Martin® has an advanced Research & Development Department, as well as specialists who understand how the instruments must perform in surgery. Each year, instruments are updated and redesigned in cooperation with you, the expert.



### *THE MACHINE TOOLS*

KLS Martin® manufactures its own machine tools (it even sells the more common types of tools to competing instrument companies). This allows KLS Martin® to control precisely the quality of its machine tools, and to research and develop new instrument designs more rapidly than others.

### *HIGH-TECH MACHINERY*

KLS Martin® also employs other highly specialized machinery such as lasers and special hardening furnaces. Much of the machinery is custom built.



### *THE DESIGN*

Many instruments are produced by means of computer aided design (CAD) and computer aided manufacturing (CAM) technology.

### *THE MATERIALS*

KLS Martin® selects only the finest materials, with the appropriate hardness and flexibility, including the highest grade of surgical steel. An instrument of inferior steel may be cheaper initially but will cost more in the long run.

### *THE CRAFTSMEN*

KLS Martin® surgical instrument makers pass a rigorous apprenticeship of 3½ years, and a further 6 years is required to become a master. Each craftsman chooses a specialized department, and thus becomes highly skilled in making instruments. Many craftsmen have been with the company for over 25 years.



### *CONSISTENT PATTERNS*

KLS Martin's® 100 percent quality control, specialized craftsmen and precise machine tools mean that all instruments will be consistent in shape and size year after year. Furthermore, careful documentation traces each instrument's history back to the raw material. Most instrument companies are only dealers, buying instruments from various sources and therefore with varying quality and pattern.

### *QUALITY CONTROL*

Depending upon the type of instrument, 40 to 100 quality checks are made, from the selection of the forgings to the final approval by the master and quality control department. Computerized manufacturing machinery ensure exact tolerances are met. Special measurement tools for two-and three-dimensional quality checks are used by the craftsmen at each manufacturing step.



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