The Advantages of the Gerber-Condylator-System

**Intraoral Registration**
Registration of a physiologic and reliable centric relation. By using the intraoral bearing pin according to McCrane, occlusal interferences are not influencing the cranio-mandibular relationship, which may lead to occlusal errors. Internal derangements such as retruded condyle position can easily be corrected during registration (see literature).

**Extraoral Registration**
A dynamic pantograph-like face bow is used to trace the sagittal condylar path. The inclination of the protrusive condylar path is measured and transferred to the articulator. (The Gerber Condylator being ideally suitable for this). Any irregularities in the path can be visualised and taken into consideration when determining condylar guidance.

**The Resilience Test**
The resiliency test is part of the diagnosis in cases of cranio-mandibular disorders. It is used for investigating the resilience of the discus articularis. It enables you to plan any possible corrections that might be necessary through the dental occlusion. The repositioning of the natural joints is possible with the Condylator VARIO.

Gerber-Condylator = Joint Protective Occlusion
The Advantages of the Gerber-Condylator-System

Natural Form and Movement
The condyle axis has the shape of a double cone. During lateral movements this provides the most common form of 3D Bennett movement. An optimum combination of side shift movements on the non-working side result in Bennett and Fischer angle. With this type of integrated movement in the Condylator joints, a tolerant occlusion with an improved freedom in centric is achieved.

Immediate-Side-Shift and Bennett-Shift (ISS)
If tooth contact during chewing occurs only between the molars on the balancing side, hyperbalance can occur. Hyperbalance (= tooth contact during chewing movements between the molars) occurs when the balancing facets become too steep relative to the working facets. As a consequence, increased tooth mobility, TMJ pain and muscle spasm result. The Condylator avoids too steep balancing contacts. It’s the first articulator with transversal lateral movement (ISS).

Lifelike Retrusive Movement
The simulation of the retrusive movement according to the natural jaw movement is backwards and downwards, as in swallowing (see illustration).

Controlled Movement Capacity
The physiological limitations of the range of movements according to the natural “envelope of movements of the stomatognathic system.

Variable Vertical Dimension in the Joint Area
Variable vertical dimension in the artificial TMJ for the enlargement of the restricted articular spaces. The Condylator VARIO has been specially developed for this purpose and it can be infinitely adjusted vertically from 0.0mm to 1.2mm (see also the resilience test).