

All steute Medizintechnik products conform with the relevant standards and directives for medical equipment:

- CE (93/42/EEC)
- IEC 60601-1
- UL 60601-1
- IEC 60529 (protection class up to IPX8)
- AP



140 employees attentively develop and manufacture foot switches for medical equipment at our facility in Löhne. A large selection of different foot switches has been created in long-term cooperation with manufacturers of electromedical equipment and apparatus, as well as manufacturers from the dental sector.

Products from steute can be found in hospitals, operating theatres and doctor's surgeries all over the world. Because of our high standards and specific orientation, steute possesses (among others) a quality management system in accordance with EN ISO 13485. Furthermore, a vast number of steute products are approved by TÜV, UL and CSA.



SAFE SWITCHGEAR FOR DIFFICULT AND CRITICAL APPLICATIONS

// Medical equipment  
Foot controls for dental applications  
Modular and flexible

// Push button for auxiliary functions // Ergonomic design // Horizontal or vertical pedal/lever adjustment for control of instrument revolutions // Extruded aluminium sheath or thermoplastic housing // Joystick principle with 4 functions // Optionally available with additional electrical function (EMERGENCY-STOP) via protective handle // Easy-to-clean // extremely resistant to abrasion, shock and scratching

If you wish to have additional information or individual advice, please do not hesitate to contact us. Further information can be found at: [www.steute.de](http://www.steute.de).

steute  
Schaltgeräte GmbH & Co. KG  
Brückenstraße 91  
32584 Löhne, Deutschland  
Phone + 49 (0) 57 31 7 45-0  
Fax + 49 (0) 57 31 7 45-200  
E-mail [medizintechnik@steute.de](mailto:medizintechnik@steute.de)  
[www.steute.de](http://www.steute.de)

A wireless version with signal transmission via radio (BLUETOOTH) is optionally available.

## // NEWS FOR DENTAL APPLICATIONS

### Foot controls and the advantages of the modular principle



Foot control for dental applications in extruded aluminium sheath



#### Housing

- Extruded aluminium sheath or thermoplastic housing
- Side covers made of aluminium die-cast elements
- Different surface treatments possible:
  - extremely resistant to abrasion, shock and scratching
  - easy-to-clean
  - resistant to chemicals and organic solvents
  - powder-coated
  - completely coloured thermoplastics

Foot control for dental applications in thermoplastic enclosure



#### Foot controls for dental applications

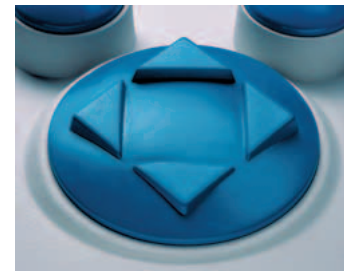
Ergonomics, safety and highest reliability: these are the main requirements for hand-held and foot-operated controls for medical equipment. Foot controls play an important role here.

steute has designed a new, versatile foot control. Workplace studies at a high number of dentists were the basis for this new foot control. steute was supported by the University Of Münster and the Centre For Ergonomics And Serviceability.

The aim was to expose the strengths and weaknesses of different systems. A sedentary or standing working position, the work experience of the dentist, a preference for horizontal or vertical rpm adjustment, as well as operation with the left or right foot, were all taken into consideration.

#### The result can be seen

Two different modularly designed foot switches, consisting of the following main components: // Joypad for positioning of patient with 4 functions (adjustment of head part, adjustment of foot part, tilting of chair, height of chair) // Pedal/lever for control of instruments (revolutions/speed) // Push button for diverse auxiliary functions, e.g. spray, chip blower, right/left-hand motion, memory, etc. // Aluminium or thermoplastic housing // Carrying/protective handle



#### Joypad

- For positioning of patient's chair
- Joystick principle with 4 functions
- Max. 2 microswitches per actuating direction
- Selectable with tactile feedback via pressure points
- Surface: robust operating theatre-tested silicon coating
- Ergonomic design



#### Push button

- For diverse functions, e.g. spray, chip blower, right/left-hand motion, exit, memory, etc.
- Max. 2 microswitches per actuator
- Selectable with tactile feedback via pressure points
- Surface: robust operating theatre-tested silicon coating
- Different colours available



#### Carrying/protective handle

- For foot positioning
- Aluminium/stainless steel versions
- Optionally available with additional electrical function (EMERGENCY-STOP) via tilting mechanism

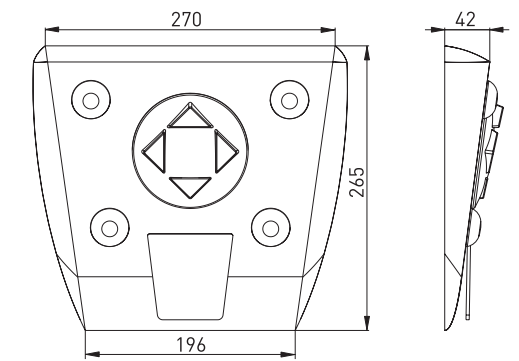


#### Revolutions control

- Non-contact inductive sensor (DBGM), waterproof and wear-free
- Horizontal or vertical pedal/lever adjustment for control of instrument revolutions
- Output signal selectable as voltage or current signal
- Ergonomic design



Foot control for dental applications in extruded aluminium sheath



Foot control for dental application in thermoplastic enclosure

