

## TECHNOLOGY OFFER

# New Camera Head System for Flexible Endoscopes

**360° rotatable head of a flexible endoscope including an electric powered wire rope compensator**

## BACKGROUND

Flexible endoscopy is an integral part of medicine and civil engineering which allows direct interventions such as biopsies. But in some cases the "target-area" is not sufficiently reachable.

## TECHNOLOGY

The rotation of the camera head of flexible endoscopes is technically challenging. Due to the rotation around its own axis the cables get twisted and causing tensions in the endoscope. Therefore researchers at the Medical University of Vienna have developed a system that allows a 360 ° rotation of the camera head and the working channel. Their new technology/device consists of a „tension unit“, a rotation sensor, a swivel and a setting controller.



## BENEFITS

- Extension of the endoscopic application possibilities/ intervention
- Higher quality in standard examinations and interventions
- Increase in the number of patient examinations per time unit

## OPPORTUNITY

The Project seeks partners to fund and support the development of the device.

- Development partner
- Commercial partner
- Licensing

**REFERENCE:**  
791.19

**IP STATUS:**  
Know-how based

**KEYWORDS:**

- Camera
- Flexible endoscope
- Camera head system

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