

# IP MARKETPLACE

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### TECH OFFER

## A PORTABLE SCOLIOSIS ASSESSMENT DEVICE



### ▶ MORE INFORMATION

#### MEGA-TREND

- Healthcare

#### TECHNOLOGY READINESS LEVEL (TRL)

- TRL 6

#### PATENT/ GRANTED NUMBER

- PI 2017703051

### ▶ TECHNOLOGY OVERVIEW

The present invention disclosed a portable scoliosis assessment device to quantitatively measure shoulder height difference (SHD) and angle of trunk rotation (ATR) of scoliosis patients. The portable scoliosis assessment device comprising a device casing two device casing stands and respectively; two extension racks and respectively; an accelerometer a microcontroller, a rotary encoder, an I2C Serial Adapter, a LCD Display Module, a LED Bulb, a battery, a power button, a measurement mode conversion button and a gear.

The portable scoliosis assessment device (10) is helpful for the doctors to detect scoliosis in patients and monitor the progressive of the scoliosis patients before and after corrective surgery.

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## CONTACT US!

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