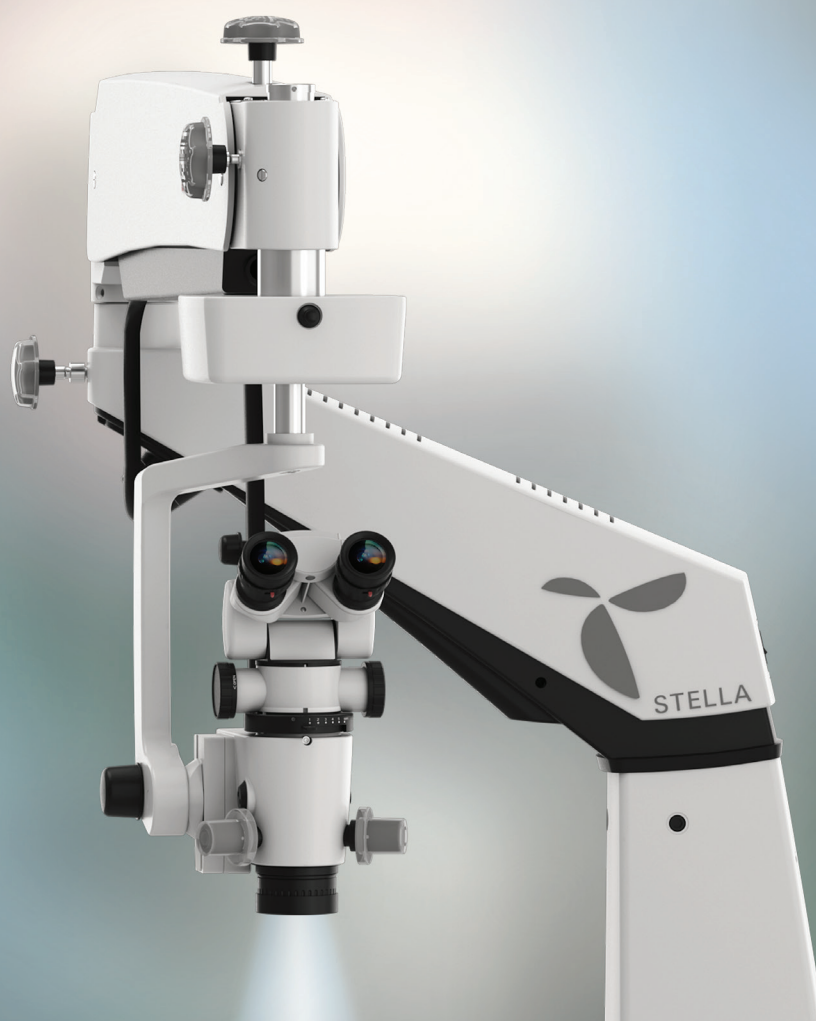


# STELLA N

OPERATING MICROSCOPE



# A SHINING NEW BEACON IN SURGICAL IMAGING



The background of the entire page is a photograph of an operating room. It features a large, circular surgical light fixture hanging from the ceiling, which is illuminated. Below the light, there is a surgical table with various mechanical components and controls. To the right, there is a wall-mounted unit, possibly for anesthesia or monitoring, with various tubes and wires connected to it. The room has white walls and a light-colored floor.

**A brilliant new era in surgical imaging technology is here. Stella promotes greater flexibility, performance, and affordability in neuro, spinal and reconstructive surgery.**

**A multi-functional microscope, Stella offers a suite of features that will enhance surgical precision and comfort, from a 10-way foot controlled motorized apochromatic optical system, easy adaptation of video accessories, multiple interoperative viewing modes, as well as articulation and control features that make the microscope more nimble and responsive to operative needs.**

**A sturdy stand with counterbalance rotation and a market leading service and support ensure operators a lifetime of carefree use.**

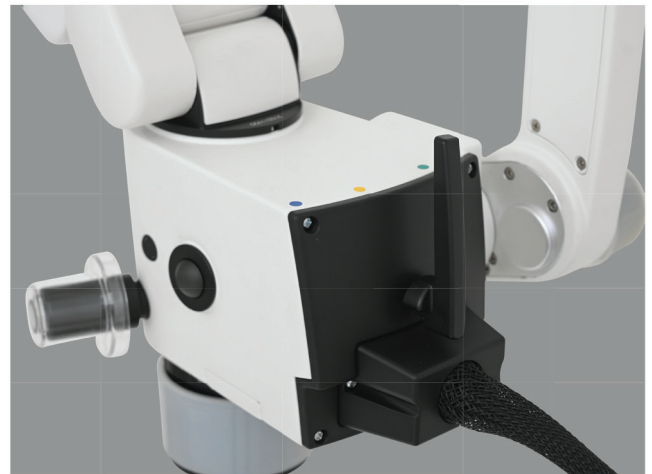
# PRECISE FUNCTIONALITY AT EVERY TURN



Stella provides surgeons a waterproof foot control (10-way) that will effortlessly drive X, Y, and Z axis motors alongside change and light intensity adjustment functions. Conveniently housed in the arm system is an IR and UV safe LED (6500 kelvin) that will provide cool, crisp and bright-white illumination (rated 60,000 hours of LED life).



Unlike other cylindrical columns, Stella's novel triangular column system will pivot with the arm, distributing weight more evenly while maintaining a near perfect center of gravity for vibration free operation. An F=200-400 mm NuVar variable working distance apochromatic objective delivers a superior depth of field and versatility not just for varied procedures, but also accommodates multi user environments.



***“We enjoy the ease with which the system adjusts for supine and upright patients!”***



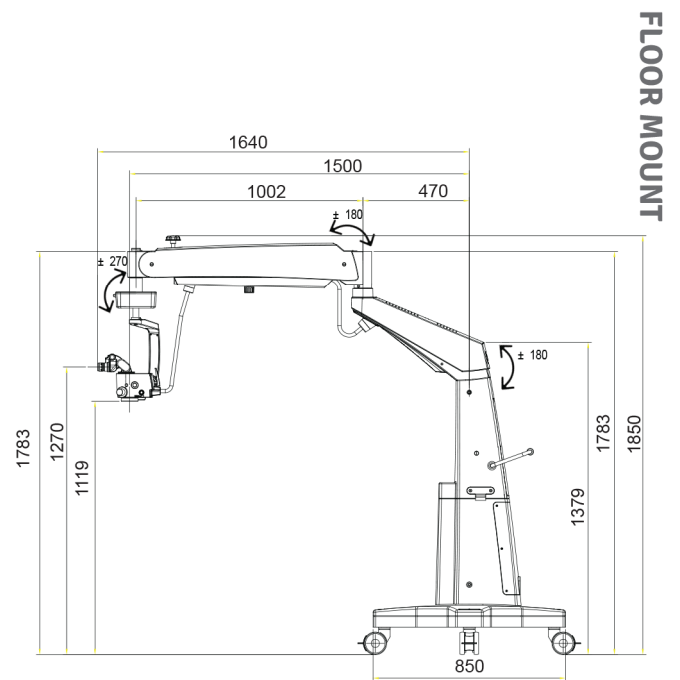
## CLEVER DESIGN ENHANCES MODULARITY AND SAFETY



Our ProLine series of video adapters and accessories features single and double beam splitters, DSLR camera adapters for all major makes and models, smart phone adapters, and an assistant viewer bridge for co-observation. With the addition to our Stella VESA mount, operators can add an HD monitor to the microscopes arm for live streaming and image preview (HDMI and Bluetooth screen sharing on smart monitors).

Magnification change is easily achieved thanks to an intuitive foot control function, enabling quick toggling. Stella's EZtilt tilting carrier articulates the microscope 180° on axis, enabling a change in viewing angle to accommodate different view for surgical procedures involving Neuro, Spine and reconstructive surgery.

Stella comes in two unique configurations tailored to floor installations, designed to minimize monopolization of space while ensuring the highest level of user safety.



**All dimensions in mm**

# STELLA N

|                                             |                                                                                                                                                |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stand</b>                                | Robust, vibration free stand on cross base with four lockable castors                                                                          |
| <b>Observation tubes:</b>                   | Standard: 0-210° Binocular tilt able head F=170 mm configured with Double beam splitter & Double Iris attachment for depth of field management |
| <b>Stereo Base:</b>                         | 24mm                                                                                                                                           |
| <b>IPD Range:</b>                           | 49-78mm                                                                                                                                        |
| <b>Eyepieces:</b>                           | Standard: WF 10X/18mm with eye guards<br>Option: WF 12.5X/18mm with eye guards                                                                 |
| <b>Dioptr Adjustment:</b>                   | ±7mm                                                                                                                                           |
| <b>Magnichanger:</b>                        | MaxLite coated, Apochromatic, motorized stepper zoom system<br>5 steps: 0.4X, 0.6X, 1.0X, 1.6X, 2.5X                                           |
| <b>Microscope Tilt:</b>                     | 0-180° (Tiltable and auto locked at any position)                                                                                              |
| <b>Objective:</b>                           | Standard: NuVar 20 variable CMO, F=295-495 mm, WD=200-400 mm                                                                                   |
| <b>FOV diameter:</b>                        | 128.4 mm-12.30 mm                                                                                                                              |
| <b>Magnification Range:</b>                 | 1.4X-14.7X                                                                                                                                     |
| <b>Illumination field diameter:</b>         | 100-160 mm                                                                                                                                     |
| <b>Fine focus:</b>                          | Range 40mm, motorized noise free                                                                                                               |
| <b>XY Travel:</b>                           | 50 X 50mm with auto reset                                                                                                                      |
| <b>Light source:</b>                        | UV & IR free 50W LED                                                                                                                           |
| <b>LUX:</b>                                 | 150K                                                                                                                                           |
| <b>Maximum Wattage:</b>                     | 200Watts                                                                                                                                       |
| <b>Color temperature:</b>                   | 6500k                                                                                                                                          |
| <b>Built-in filters:</b>                    | Flip in/out blue blocking (yellow), Green & Blue filter                                                                                        |
| <b>Optional accessories:</b>                | Assistant binocular attachment, Proline range of camera adapters, Smart phone adapters                                                         |
| <b>Total Arm Reach(Max):</b>                | 1500mm                                                                                                                                         |
| <b>Vertical movement of suspension arm:</b> | ±300mm                                                                                                                                         |
| <b>Foot Switch:</b>                         | 10 function wired foot switch for xyz, magchanger & intensity control                                                                          |
| <b>Max. Suspension load:</b>                | 12kg                                                                                                                                           |
| <b>Base &amp; column weight:</b>            | 170kg                                                                                                                                          |
| <b>Arm Weight:</b>                          | 24.5kg                                                                                                                                         |
| <b>X-Y, magchanger, head weight:</b>        | 8.7kg                                                                                                                                          |

| DESCRIPTION | CONFIGURATION | CATALOG NO. |
|-------------|---------------|-------------|
| STELLA N    | Floor Stand   | 6219200     |

## SPECIFICATIONS



Labotech Microscopes India Pvt Ltd  
#19 HSIDC Industrial Estate  
Ambala Cantt  
Haryana, Pincode: 133006  
INDIA

Distributor



6219200-796

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