

# PR 400i



## Projector

|                           |                                            |          |
|---------------------------|--------------------------------------------|----------|
| Wavelength                | 405                                        | nm       |
| Type                      | Quad Pixel Shift Projector (+ Native Mode) | ND: YV04 |
| Frequency                 | 15/30                                      | Herz     |
| Cooling method            | Air                                        |          |
| Max power (approximately) | 6                                          | Watts    |
| Dynamic power adjustment  | Yes                                        |          |

## Recommended Layer Thickness

|           |              |    |
|-----------|--------------|----|
| Precision | 0.05         | mm |
| Rapid     | 0.10 - 0.15+ | mm |
| Standard  | 0.1          | mm |

## Optical and Projection

|                 |                              |       |
|-----------------|------------------------------|-------|
| UV Light Engine | 4300 x 3840 (Pixel Shifting) | Pixel |
| Image Size      | 430.0 x 384.0, Custom        | mm    |
| Pixel Size      | 0.1 (High Res)               | mm    |
| LED Wavelength  | 405                          | nm    |

## Elevator

|                                    |        |          |
|------------------------------------|--------|----------|
| Vertical resolution                | 0.0002 | mm       |
| Positional repeatability (+/-)     | 0.01   | mm       |
| Removable platform                 | Yes    | Standard |
| Number of build platforms supplied | 2      | Standard |

## Vat capacity

|                      |                                     |          |
|----------------------|-------------------------------------|----------|
| Volume (approximate) | 30 - 150 (Based on Tank Z Depth)    | L        |
| Max Build Envelope   | 420 x 384 x 400                     | mm       |
| Interchangeable Vat  | 50 mm, Half, Full (Z = 350), Custom | Optional |

## Software

|                         |                        |        |
|-------------------------|------------------------|--------|
| Control                 | RAPLAS Integra+        |        |
| Input Data File Format  | RAPLAS Build Processor | Magics |
| Network Type & Protocol | Ethernet, IEEE 802.3   |        |

## Power

|                       |                       |              |
|-----------------------|-----------------------|--------------|
| Voltage               | 220 - 240v, 50 / 60Hz | Single phase |
| Power (approximately) | 15                    | Amps         |

## Working environment

|                           |               |                    |
|---------------------------|---------------|--------------------|
| Ambient temperature range | 20 - 26       | Degrees centigrade |
| Humidity Range            | Less than 50% | Non-condensing     |

## Size and weight

|                        |                    |    |
|------------------------|--------------------|----|
| L x W x H (installed)  | 1.42 x 1.03 x 1.89 | m  |
| Weight (approximately) | 800                | kg |

## Warranty

|                             |
|-----------------------------|
| 12 months from installation |
|-----------------------------|