

TriForm

TriForm[®] Portrait Scanner

The HSI Portrait Scanner is the latest evolution of TriForm 3D scanning technology from Wicks and Wilson. It is designed to capture a 3D image of the human face ready for engraving into a crystal block.



Wicks and Wilson



Capture Technique

The TriForm HSI Portrait Scanner is a floor standing unit that projects patterns of normal white light onto the face and hair of the person to be scanned. The patterns are captured by the system and TriForm's sophisticated 3D imaging software is used to calculate the surface of the head. The result is a complex three dimensional image of the shape of the head.

Operation

The capture process is both quick and simple; the customers sit in front of the scanner and position themselves using the integral LCD screen. The operator starts the scanning sequence and patterns of white light are rapidly projected. The high powered TriForm HSI Portrait Scanner allows high resolution scanning under a wide range of ambient light conditions to capture all facial expressions and details.

Next, the TriForm software with its enhanced algorithms processes the data to create an accurate 3D model of the face, with ultra-realistic capture of hair and dark clothing.



Speed

The scanning capture time takes approximately one second, with the entire process from capture to crystal file typically taking less than a minute.

Safety

TriForm 3D scanning systems use structured patterns of projected white light. No lasers, invisible rays or other radiation are used in the capture process and it is therefore intrinsically safe.



Tools

The TriForm HSI Portrait Scanner is supplied with automated clean-up and 3D editing tools to create the perfect image before the data is converted into a file ready for engraving.

Output

User definable crystal templates allow simple selection of different crystal sizes and the keyline feature in the TriForm software quickly and easily defines the area of image to be engraved. Selectable file outputs allow the operator to choose between different engraving styles and file formats.

