

TRUMPF METAL PRINTERS

TruPrint 1000 (G06) TruPrint 2000 (G05)

Orthodontic & RPD Time Studies

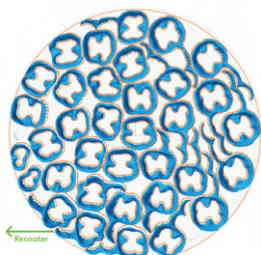


TruPrint 1000

Orthodontic Bands

35 Bands

Total Height:
12mm



30µm Layer

60µm Layer

Cobalt Chrome

Single Laser

Multi-Laser

1h 32m

1h 08m

0h 50m

0h 34m

Stainless 316L

Single Laser

Multi-Laser

1h 22m

1h 04m

0h 48m

0h 32m

Rapid Palatal Expander

4 RPEs

Total Height:
15mm



30µm Layer

60µm Layer

Cobalt Chrome

Single Laser

Multi-Laser

1h 29m

1h 17m

1h 07m

0h 48m

Stainless 316L

Single Laser

Multi-Laser

1h 18m

1h 07m

0h 40m

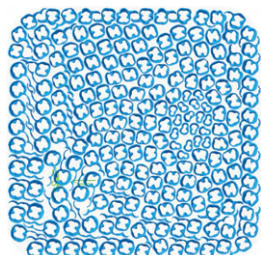
0h 34m

TruPrint 2000

Orthodontic Bands

211 Bands

Total Height:
12mm



30µm Layer

60µm Layer

Cobalt Chrome

Single Laser

Multi-Laser

6h 38m

3h 48m

3h 46m

2h 07m

Stainless 316L

Single Laser

Multi-Laser

6h 15m

3h 35m

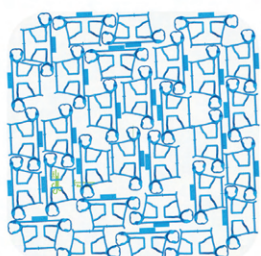
3h 24m

1h 56m

Rapid Palatal Expander

31 RPEs

Total Height:
15mm



30µm Layer

60µm Layer

Cobalt Chrome

Single Laser

Multi-Laser

4h 37m

2h 48m

2h 49m

1h 44m

Stainless 316L

Single Laser

Multi-Laser

4h 31m

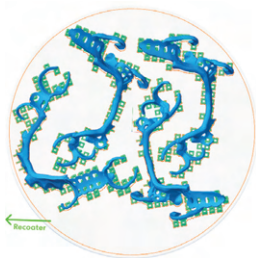
2h 45m

2h 38m

1h 33m

Lower RPDs

4 Lower RPDs

Total Height:
30.2mm

30µm Layer

60µm Layer

Cobalt Chrome

Single Laser

Multi-Laser

2h 41m

2h 27m

1h 47m

1h 33m

Ti64 Gr.23

Single Laser

Multi-Laser

2h 36m

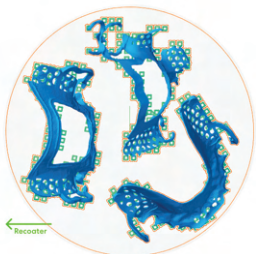
2h 23m

1h 28m

1h 13m

Upper RPDs

3 Upper RPDs

Total Height:
41.5mm

30µm Layer

60µm Layer

Cobalt Chrome

Single Laser

Multi-Laser

3h 37m

3h 23m

2h 05m

1h 47m

Ti64 Gr.23

Single Laser

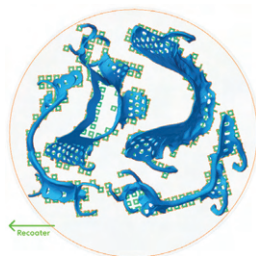
Multi-Laser

3h 34m

3h 19m

2h 02m

1h 45m

Mixed RPDs2 Upper
2 Lower RPDsTotal Height:
41.5mm

30µm Layer

60µm Layer

Cobalt Chrome

Single Laser

Multi-Laser

3h 36m

3h 18m

2h 02m

1h 42m

Ti64 Gr.23

Single Laser

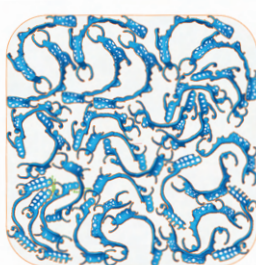
Multi-Laser

3h 34m

3h 17m

2h 00m

1h 41m

Lower RPDs30 Lower
RPDsTotal Height:
27.9mm

30µm Layer

60µm Layer

Cobalt Chrome

Single Laser

Multi-Laser

9h 36m

6h 21m

5h 14m

3h 07m

Ti64 Gr.23

Single Laser

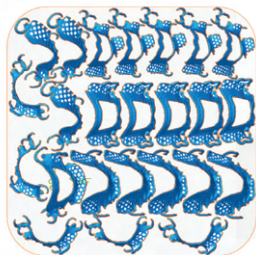
Multi-Laser

7h 23m

4h 40m

4h 53m

2h 56m

Upper RPDs24 Upper
RPDsTotal Height:
42.1mm

30µm Layer

60µm Layer

Cobalt Chrome

Single Laser

Multi-Laser

11h 47m

7h 55m

6h 38m

4h 12m

Ti64 Gr.23

Single Laser

Multi-Laser

9h 27m

6h 22m

6h 21m

4h 03m

Mixed RPDs11 Upper
13 Lower
RPDsTotal Height:
41.5mm

30µm Layer

60µm Layer

Cobalt Chrome

Single Laser

Multi-Laser

10h 26m

6h 59m

5h 51m

3h 52m

Ti64 Gr.23

Single Laser

Multi-Laser

8h 29m

5h 58m

5h 40m

3h 42m