Testing of the Device

**FAT TESTS OF THE DEVICE FOR HOT STAMPING, EMBOSSING AND DIE-CUTTING**

The Client will evaluate the level of adequate quality and stability of hologram application, embossing and die-cutting in accordance with the requirements of the technical specification.

1. **Tested material:**

3,000-4,000 sheets will be printed as part of the tests;

2 - 3 types of printed material in the range of 0.80 g/m2 - 300 g/m2

3 paper formats in the range of 297x210 - 870x600 mm

embossing foil webs, positioned hologram foil webs - supplied by the Client

stamps for embossing - supplied by the Client

1. **Verification of functional elements of paper passage through the machine**

˗ function verification - Feeder, Delivery

˗ function verification - Double sheet control

˗ verification of function and settings – Front / Side lays and Photosensors

˗ verification of smooth production run of the machine, printing 1000 sheets at speed 5500 sph.

1. **Verification of the function of the unwinders, rewinders, control sensors of registered and continuous hologram and gold foils**

˗ 5x holographic film unwinder in the sheet travel direction, core 1"

˗ 5x holographic foil unwinders in the sheet travel direction, core 3"

˗ 5x mechanism for fine lateral adjustment of the unwinders

˗ 5x setting sensors for controlling the registered hologram

˗ function of unwinding a gold foil 600 mm wide in the sheet travel direction = alignment of unwinding and rewinding

˗ function 3x unwinder of holographic foil in the transverse direction, core 1"

˗ function of 3x holographic film unwinders in the transverse direction, core 3"

˗ function of unwinding a wide gold foil of width 485 in the transverse direction = alignment of unwinding and rewinding

1. **Verification of the function of the press mechanism**

˗ flatness of the mold and pressure plate

˗ setting / tolerance of temperatures in individual zones

˗ pressure setting and pressure delay

**SAT TESTS OF THE DEVICE FOR HOT STAMPING, EMBOSSING AND DIE-CUTTING**

The Client will evaluate the level of adequate quality and stability of hologram application, embossing and die-cutting in accordance with the requirements of the technical specification.

1. **Tested material:**

3,000-4,000 sheets will be printed as part of the tests;

2 - 3 types of printed material in the range of 0.80 g/m2 - 300 g/m2

3 paper formats in the range of 297x210 - 870x600 mm

embossing foil webs, positioned hologram foil webs - supplied by the Client

stamps for embossing - supplied by the Client

1. **Verification of functional elements of paper passage through the machine**

˗ function verification - Feeder, Delivery

˗ function verification - Double sheet control

˗ verification of function and settings – Front / Side lays and Photosensors

˗ verification of smooth production run of the machine, printing 1000 sheets at speed 5500 sph.

1. **Verification of the function of the unwinders, rewinders, control sensors of registered and continuous hologram and gold foils**

˗ 5x holographic film unwinder in the sheet travel direction, core 1"

˗ 5x holographic foil unwinders in the sheet travel direction, core 3"

˗ 5x mechanism for fine lateral adjustment of the unwinders

˗ 5x setting sensors for controlling the registered hologram

˗ function of unwinding a gold foil 600 mm wide in the sheet travel direction = alignment of unwinding and rewinding

˗ function 3x unwinder of holographic foil in the transverse direction, core 1"

˗ function of 3x holographic film unwinders in the transverse direction, core 3"

˗ function of unwinding a wide gold foil of width 485 in the transverse direction = alignment of unwinding and rewinding

1. **Verification of the function of the press mechanism**

˗ flatness of the mold and pressure plate

˗ setting / tolerance of temperatures in individual zones

˗ pressure setting and pressure delay

1. **Acceptance / Check of the condition, quality, number of additional materials ordered with the delivery of the machine**

˗ Honeycomb base plates

˗ clamps

˗ unwinders

- cores

٠ etc.