Scope of On-Site Overhaul

of Intagliocolor 8 machine,

serial no. 63303501[[1]](#footnote-1)\*PMC

***Electrical overhaul***

**Upgrade of existing PLC system T300**

Including all I/O modules to EC500 Arcnet or Ethernet.

Package PLC\_UG\_003\_T300 - The package includes three PLC EC500, new I/O modules

and an electrical modification kit.

**Upgrade of existing cam switch/timing unit**

from ABB T300 / BDT L0056076 with 64 cams to ABB AC500 Arcnet or Ethernet.

Package CS\_UG\_004\_- The package includes a new PLC based timing unit,

a new encoder and a mechanical and electrical modification kit.

**Replacement of fast power contactor**

CM 62-ITR-80DC/24DC (L0056137) which switches the main motor brake.

Package O6xx\_012\_power\_contactor - Package includes electrical modification kit including

new circuit diagram.

**Converting set main switch**

**Relays, batteries, switches, etc.**

**Replacement of DOS control console**

Package CC6xx\_007\_DOS\_KOSO.

The package includes new control console desk including computer system,

Windows 7 and new application SW.

Remote maintenance (VPN) for printing machines, including VPN router.

**Replacement of main drive BKD6/100/460 (L0052963)**

For current motor GNAG160KV

drive BKF12/200/420-703.

PLC must be KT 94 or newer.

**Replacement of suction roller drives**

Package SR633\_001\_INT\_35-38 - The package includes 2 new brushless DC motors with

integrated speed controller as well as mechanical and electrical modification parts.

**Replacement of double sheet detection**

Package DS634\_001\_SOI\_02-11 - The package includes the new double sheet detection DB 18 UP

and VDB12B and a mechanical modification kit.

**Replacement of printing pressure measurement device** VP-3/A (L0053968)

Package O634\_005\_SOI\_11-23 - Package includes new sensors, new measuring device

and new software for control console. Requires KOSO control console (Windows based).

**Push button panels**Replacement of all push buttons, wire terminals and light bulbs.

**Documentation update**

* CZ (hard copy), EN/DE (USB flash drive)
* Software for operating and maintenance of the machine on a new control consoles

(control, error messages, etc.) must have Czech localization

***Mechanical overhaul***

**Retrofit of new type wiping system in existing wiping tank**

**Chablon cylinder for mounting photopolymer plates**

with hydraulic plate clamping device, for direct inking.

**Set of mechanical parts such as cones, shafts and gears for the 4 inking cylinder stations.**

Supply of all the bearings, rings and seals to complete the exchange with the old and worn units.

**Electrically operated crane**

To be installed on the Intagliocolor 8 bridge to rise and lower the polychablon cylinders

**Hydraulic pump SKF**

For hydraulic plate clamping device with pressure gauge and flexible hose

**Thermoregulation 76 SF/M, without water chiller**

Compact 6 circuits unit for the automatic temperature control of reciprocating distributor rollers.

**Auxiliary tank for wiping solution**

**Cylinder surface repair**

**On-Site mechanical overhaul:**

**Sheet Feeder**

* Replacing vacuum and pressure valve
* Replacing all drive chains
* Replacing plastic bevel gears

**Infeed**

* Drive Stop Drum
  + Replacing cam rollers and bolts;
* Cover Drive Stop Drum
  + Exchange of sealing;
* Stop Drum
  + Replacing gripper bar incl. bearings;
  + Exchange gripper pads on Stop Drum;
* Transfer Drum 1
  + Replacing gripper bar incl. bearings, screws and torsion spring ;
* Front Lays
  + Exchange Front Lays complete;
* Side Lays
  + Exchange Side Lays complete on machine SI and SII;
* Gripper Control Stop Drum
  + Replace all bearings and wear parts;

**Printing Unit**

* Printing Cylinder
  + Exchange of complete gripper bar;
  + New cam roller and gripper;
* Bearing Printing Cylinder
  + Replacing bearings and cup springs of printing cylinder lift;
* Printing cylinder On/Off
  + Replacing hydraulic cylinders
* Plate cylinder
  + Replacing rotary unions and hoses;
* Plate clamping device
  + Replacing bolts and cup springs;

**Inking Unit**

* Ink fountain
  + Replace ink knives;
  + Exchange wear parts such as bearings and springs;
  + Replace screws;
* Distributor roller bearings
* Replace cam rollers, bolts and bearings

**Wiping Unit**

* Locking hydraulic cylinders
  + Exchange hydraulic cylinders;
* Wiping cylinder oscillation
  + Exchange cam rollers and drive;
* Wiping cylinder On/Off
  + Replace all wear nánd tear parts;
  + Replace hydraulic cylinders;
  + New adjustment of wiping cylinder;
* Drying blade
  + Exchange hydraulic cylinders;
* Wiping Tank
  + Replace wiping tank illumination;
* Steel blade
  + Exchange hydraulic cylinder;
* Tubing Spray Wiping
  + Exchange spray gun and hose;
* Main base
  + Exchange hydraulic cylinders;

**Delivery Unit**

* Gripper System control
  + Replacing hydraulic cylinders;
* Gripper system
  + Complete new gripper system;

1. **\*PMC** This whole annex has resulted from a preliminary market consultation. [↑](#footnote-ref-1)