



KNIPL Painting and coating plant manufacturer

Surface treatment, planning, manufacturing
and turn-key installation of plants

www.knipl.com

General Information

KNIPL Festéktechnológiai Berendezéseket Gyártó és Forgalmazó Kft.

Seat: H-1037 Budapest, Remetehegyi út 25.

Location: H-7150 Bonyhád, Borbély u. 25.

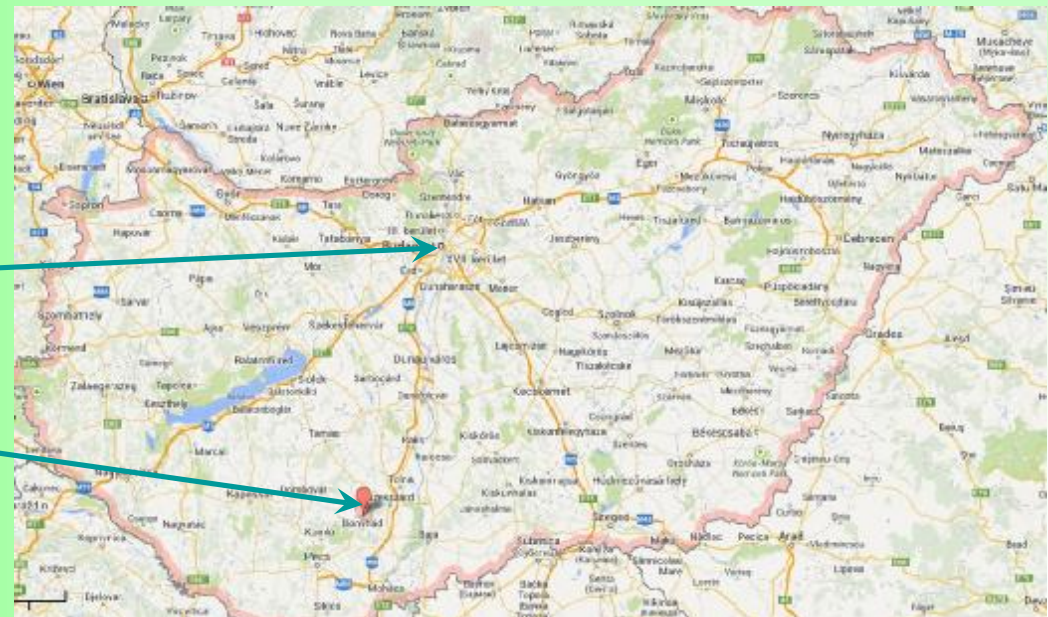
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Fax: +36-74/550-544

E-mail: info@knipl.com

Budapest

Bonyhád (Location)



Introduction

- Tradition of more than 30 years,
- Staff of about 200 employees,
- Manufacturing on 5500 m²,
- Separate production for steel/stainless steel and plastic,
- Multilingual engineer-team
- Turn-key manufacturer
- Several export-projects
- Since 2001 certificate according to ISO 9001 (production and planning)



100 % owned by family KNIPL

CEO:

János KnipI

*(electr. and mech. engineer): company management,
contracts*

Zoltán KnipI

*(electr. engineer): company management,
technical management*

Krisztina KnipI

(financial-accountant): financial management

We as innovative and established company for manufacturing surface treatment technologies offer for our customer since 30 years following plants:

- Complete processing of projects of surface technologies (turn-key)
- Complete pre-treatment lines (PP or stainless steel), tact, chamber, continuous
- E-coat (KTL / ATL) plants
- Complete powder spray systems
- Material moving systems, hoists, conveyor, P&F systems
- Modern wastewater plants (vacuum evaporator, charge wastewater plants)
- Double-walled plastic booths
- Coating plants for solvent and hydro paint
- Curing oven, dryer
- Complete controlling and program systems

History

- **1983** – Installation of the first plants by Mr. Knipl and his team of 10 people
- **1990** – after the economic turning: official company establishment with ca. 30 people
- **1991/1992** – Installation of the Suzuki car body paint shop in Hungary
- **1999** – biggest ACC-plant of Europe in Romania at Mecanica Marsa
– first big P&F project: Ikarus Főnix, Hungary
- **2006** – Production-extension for plastic
- **2007** – change of company name to family name Knipl
Knipl Kft. as 100% successor of company K-Elektroszinter
- **2008** – SK-Cont: first big KTL-plant for container (90 m³ KTL-tank)
- **2012** – Record sales of the company
- **2013** – Development with engineers and programmers
→ spoken languages: English, German, Russian, Romanian, Slovakian, Croatian
- **Future perspective:** successful generation change; continuous development; continuation of the export activity

Economical Statistic *Yearly sales*

Year	Sale (EUR)	Export
2009	9.200.000.-	90%
2010	4.100.000.-	55%
2011	9.000.000.-	66%
2012	14.000.000.-	53%
2013	10.000.000.-	61%

Long partnership and high solvency with first class financial partner GE Money Bank.

Location Bonyhád



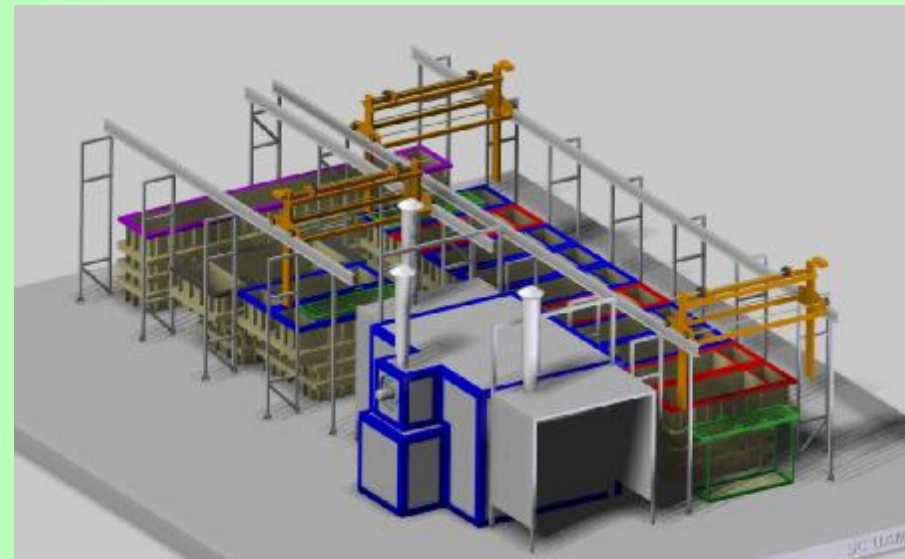
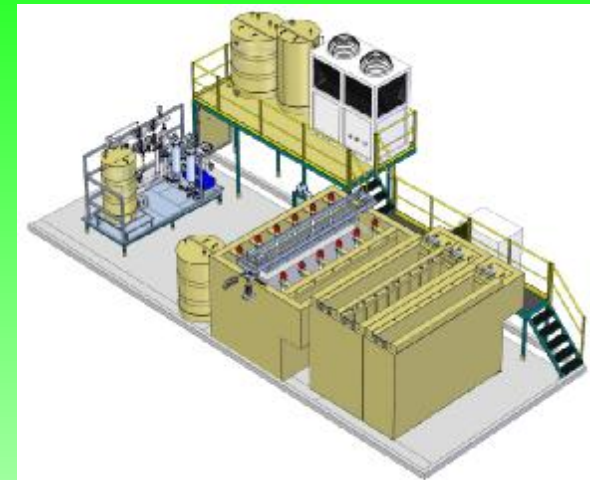
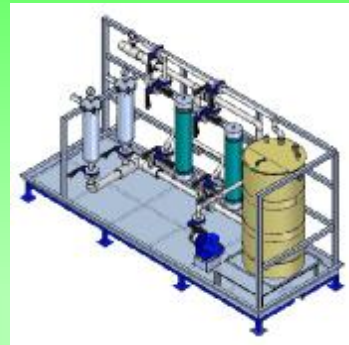
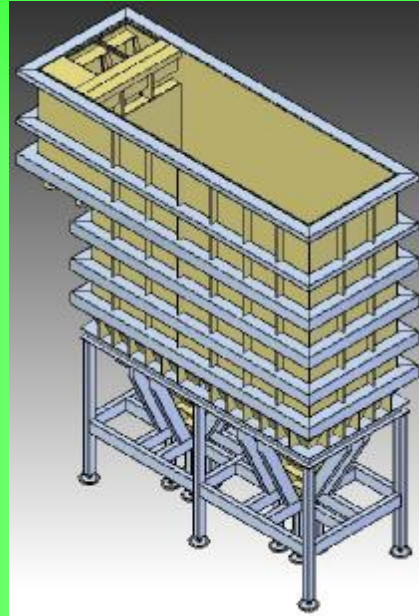
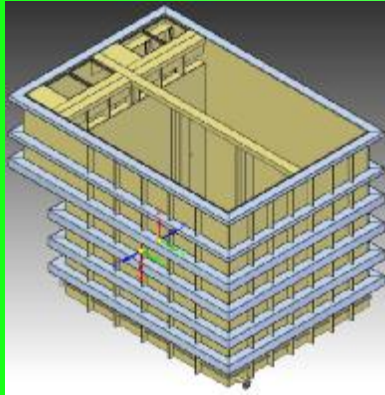
Planning department

Separate planning departments for all system components

- Mechanical planning
- Pneumactical planning
- Electrical planning
- Programming



Using of 3D-programs



Production

Steel / stainless steel manufacturing hall



Polypropylene manufacturing hall



Product portfolio

Pre-treatment plants

The pre-treatment of materials such as steel, aluminium or plastics require different treatment methods. Part geometry, production method and surface condition as well as customised demands have an influence on the chemicals and the pre-treatment process.



Dip-pre-treatment

Generally in use for medium to higher capacities, especially for job coaters and the automotive industry.



SK-Cont a.s.
Komárno, Slovakia
2008/2009



ZF Sachs
Levice
Project year 2007/2008



ZF Sachs
Levice
Project year 2007/2008



Villkász Kft
Hungary
Project year 2012

Continuous plants

The plant depending on the chemical technology built up with different zones.

The plant is a closed tunnel, made from self-supporting plate construction. The parts move between the spray nozzles, as a consequence, the adequate cleaning can be ensured.

Generally in use for medium or higher capacities. Environment-friendly, energy-efficient and investment-friendly.

Our company build the continuous plants from stainless steel or mixed polypropylene - stainless steel constructions.



Philips
2013



Knott Technik-Flex
2007

Chamber plants

Efficient for spray pre-treatment with doors between the individual process chambers; can also be used in combination with dipping processes. It is the ideal solution for long aluminium and steel profiles or other large-sized work pieces. Environment-friendly, energy-efficient and investment-friendly.



Wacker-Neuson Linz
2012



VIV (Siemens)
Hungary
2007

E-coat (KTL)-plants

E-coat (KTL)-dip plants

In case of these plants the parts are dipped by means of hoists with tact operation in the tanks.

The moving equipments of parts and variable bath circulations provide a faultless results of the surfaces.

For e-coat tanks we offer the canting systems and swinging equipments too, which are proven, installed by several projects.



E-coat (KTL)- continuous plants

These plants are suitable for coating of mass output of uniform parts.

The e-coat continuous plants can be used for dip coating as well as for the combined process of spray and dip coating.



Johnson-Controls
Romania
2007

Powder spray system

Manual or automated powder booths

The booths are made with modern recovery technology and have a single-sided/double-sided and manual/automatic design.

The biggest advantages of polypropylene are the easy cleaning and the minimal electrostatic loading.

Cooperation with well-known specialists.





Material moving systems

The material moving systems makes a safe and reasonable delivery of parts through the pre-treatment and coating plants possible.

Hoists



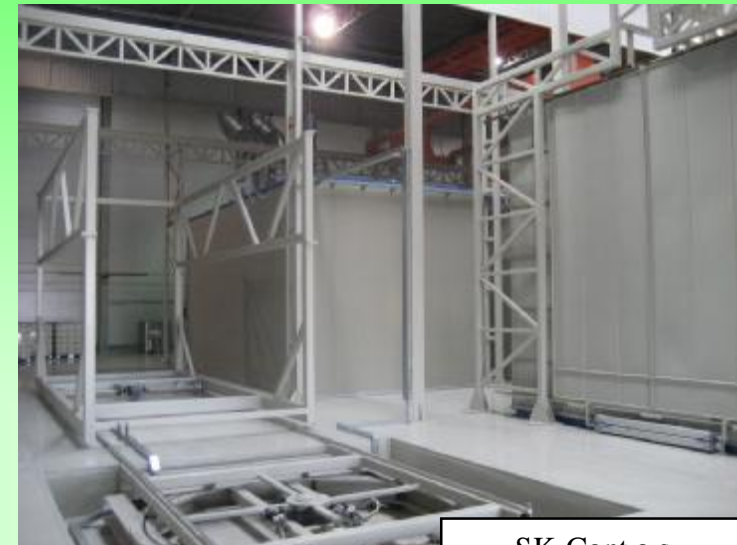
Georg Fischer
Altenmarkt
2010

Floor conveyor and logistics-system

As system supplier we can offer all needed logistics-systems, floor conveyors for effective and intelligent material moving between the separate treatment zones, working places.



ZF Suspension
Technology Guadalajara
Mexico
2013



SK-Cont a.s.
Komárno,
Slovakia
2008/2009

Chain conveyor and Power & Free systems

We offer our own constructed chain conveyors and P&F conveyors, which are proven for many years by several projects.



Power and Free system for 2 tons,
Location of WACKER NEUSON - Austria



Curing oven, dryer

Depending on design the parts are delivered into the ovens by means of hoists or conveyor systems.

On account of energy efficiency thick-film isolation, separate door openings, air sealing and heat recovery are installed.

The temperature for drying and curing is ensured with gas, oil or electrical heating.





Environmental technology

Wastewater plants, open systems

In case of open wastewater treatment the cleaned water cannot be reused in the technology. The cleaned water can be led into the channel. The sludge will be deposited and by means of sludge press removed from the system.



Wastewater plants, evaporator systems

By small wastewater quantities it is desirable to use the evaporator. By closed wastewater treatment the wastewater will be evaporated in the special equipment and the rest sludge will be drained into the separate tank. The evaporated water will be condensed and led back to the pre-treatment line.



Exhaust, air washer

In addition to exhaust the air washer can be installed as exhaust air cleaning according to need.



TNV / RNV-plants

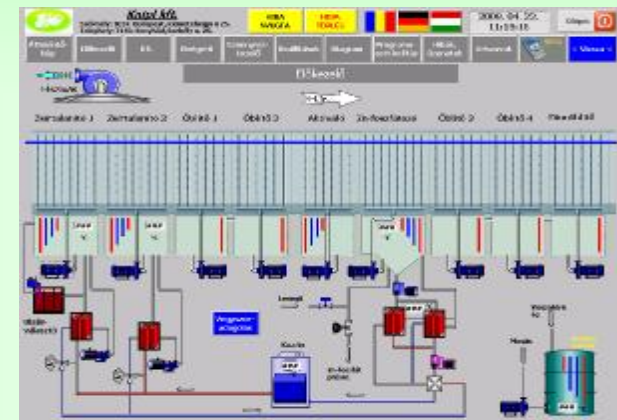
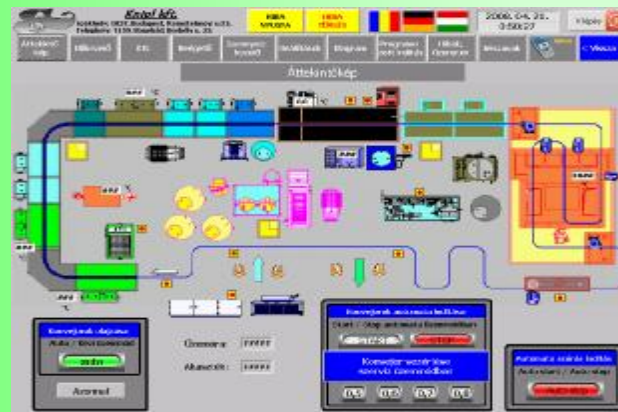
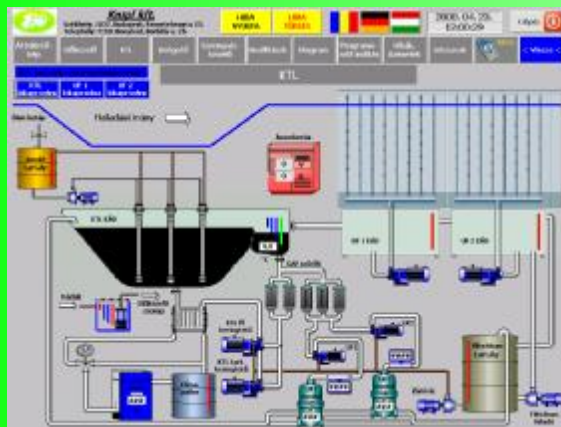


All thermal after-burner (TNV) plants are offered and installed with heat recovery function.

Automation

The high-quality coating and painting systems are automatized with PLC programmes and developed user-friendly with multilingual display.

The safety of plant s is ensured by the parameter adjustments, archiving, SMS-message.



Documentation

1. **Our team makes the needed informative support documents for official documentation.**
2. **According to contract, we provide the informative plans for the building works and energy. (e.g. foundation plans, roof breaktrough, energy connection points)**
3. **Machine books, maintenance plans, maintenance instructions, process plans, other documents, multilungual.**

Paint shop

We can provide following advantages for our customer with painting job shop at our location:

By coating demand:

- More powder coating booths,
- Coating of serial parts is possible,
- Pre-treatment technology with Zn-phosphating,
- Special pre-treatment technology for ALU
- Facility for corrosion test at our location.

By planned plant investment :

- Facility for test coating before the planned plant investment,
- Facility for test of alternatives of pretreatment technology
- Facility for testing hooks and critical coating of parts,
- Facility for corrosion test at our location.



Partners



Zertifikat

Prüfungsnorm **ISO 9001:2008**

Zertifikat-Registrier-Nr. **75 100 10866**

TÜV Rheinland InterCert Kft. bescheinigt:

Zertifikatsinhaber: **KNIPL Kft.**
Remetehegyi út 25.
H - 1037 Budapest
Ungarn
Standort: H- 7150 Bonyhád, Borbély u. 25.

Geltungsbereich: Planung, Produktion und Ausführung von
Oberflächenbehandlungsanlagen und Lochlackierung.

Durch ein Audit, wurde der Nachweis erbracht, dass die
Forderungen der ISO 9001:2008 erfüllt sind.

Gültigkeit: Dieses Zertifikat ist gültig von **2014.01.23** bis **2017.01.22**.

Budapest, 2014.01.24.

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Management
System
ISO 9001:2008
Valid until:
2017.01.22



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