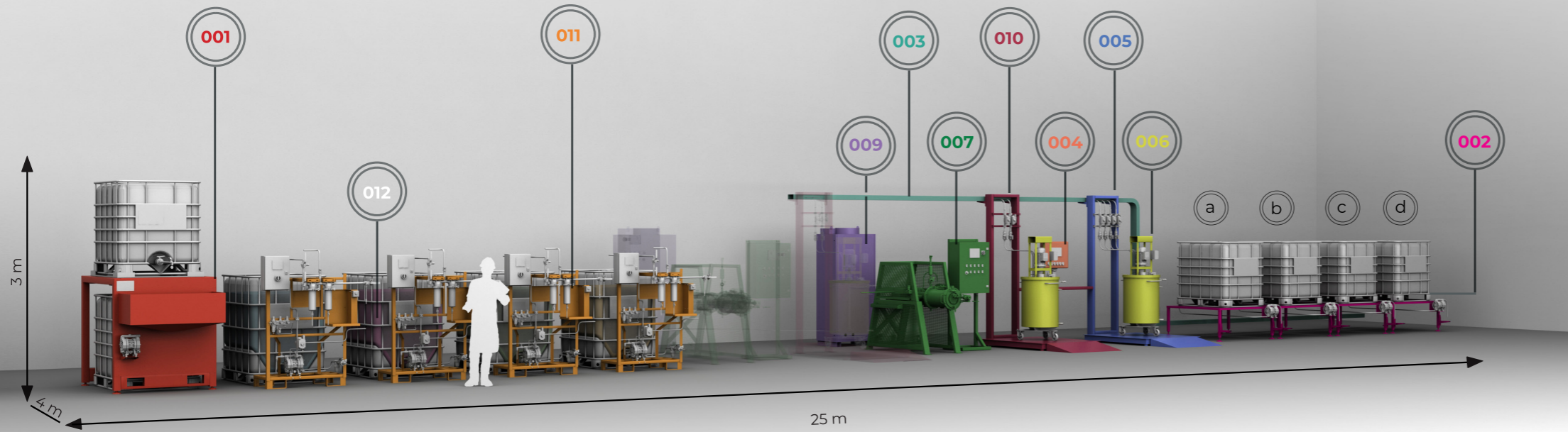


# YOUR PLANT

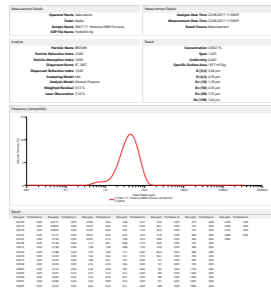


## SELF-MADE INK PRODUCTION

# YOUR LAB

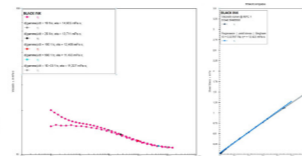
### LASER DIFFRACTION PARTICLE SIZE ANALYZER

101



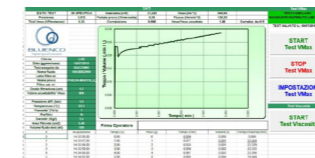
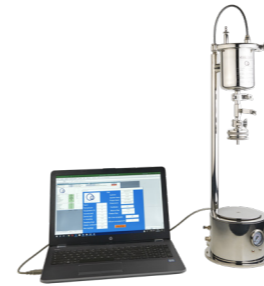
### MICRO VISCOSIMETER

102



### FIT-FILTERABILITY INDEX TESTER

103



### LEGEND

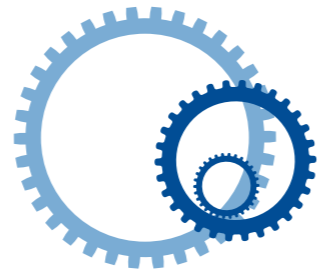
POS.	DESCRIPTION	Q.ty
001	Cleaning station	1
002	Metal supporting structure for IBC	4
003	Set of pipes, cable trays and accessories for connection from IBC to dosing stations	1
004	Electric panel for dosing stations	1
005	Primary dosing station for vehicle and pigment	1
006	Lid disperser 300 liters	2
007	Tilting mill capacity 10 liters	1

POS.	DESCRIPTION	Q.ty
008	Set of microbeads	1
009	Chilling unit	1
010	Secondary dosing station for dilution	1
011	Pre-filtration, recirculation and final filtration unit	4
012	IBC cube for final storage	4
101	Laser Diffraction Particle Size Analyzer	1
102	Micro viscosimeter	1
103	FIT-Filterability Index Tester	1

POS.	DESCRIPTION	Q.ty
200	Spare parts (for 1 year)	1
300	Engineering	1
400	Packing	1
500	Transportation	1
600	Training	1
700	Know How	1
800	Supervision at assembling and start up	1

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# SELF-MADE INK PRODUCTION

## WHY IS IT WORTH IT?

### ECONOMIC REASON

- ◆ A return on your investment in 16 months.
- ◆ Self-production ("ready to use" ink) → free to decide the shelf-life of your ink:
  - reduction in the cost of the formula
  - greater chromatic yield of the colours → lower quantity applied by the digital printer → lower ink consumption.
- ◆ Reduction in production costs by purchasing the raw materials from more convenient suppliers.

### TECHNICAL REASONS

- ◆ Customisation of the ink in terms of:
  - colour tonality
  - ink drying times
  - ink filterability degree
- ◆ Use fresh ink → less tendency for sedimentation and agglomeration.
- ◆ The laboratory tools provided with the production system:
  - laser diffraction particle size analyzer
  - micro viscosimeter
  - FIT-filtrability index tester
 these are also essential for checking the ink supplied by paint shops "colorificio" as well as representing the future of grinding technology.

## GUARANTEE

- ◆ Bluenco has already supplied several turnkey systems to produce ceramic inks. These systems:
  - have been operating for several years
  - produce every type of ink used in the ceramic market
  - produce inks used on all digital machinery and on all the print heads found in the ceramic market
- ◆ Bluenco's activities:
  - design and build of turnkey systems to produce ceramic inks
  - design and build of turnkey systems to produce ceramic pigments
  - design and build of storage systems and automatic systems to feed digital machinery with ink
  - print head cleaning for ceramic inks
  - ceramic ink characterisation
 are a guarantee of its skill and experience in the "ceramic inks" sector
- ◆ Training your personnel at the Bluenco laboratory before the system goes into production.
- ◆ Upon request, and during the period in which the system is being prepared, supply of inks produced at Bluenco with the raw materials and the definitive formulas included in the Know-How supplied by Bluenco.
- ◆ Pre-shipment check of the raw materials with batch production of ink and quality control – extendable duration of 3 months.

## FEASABILITY STUDY

MILL CAPACITY	10 LITERS	18 LITERS	35 LITERS
Mills number	1	1	1
PRODUCTION CAPACITY	110 tons/y	180 tons/y	380 tons/y
INVESTMENT COST			
RAW MATERIAL COST			
PRODUCTION COST			
Electricity			
Microbeads			
Filters			
Cleaner			
Waste			
Manpower			
<b>TOTAL PRODUCTION COST</b>			
<b>MANUFACTURING COST</b>			
<b>DEPRECIATION COSTS</b>			
<b>SAVING</b>	€/kg	€/kg	€/kg
	€/y	€/y	€/y
<b>ROI</b>	16 months	14 months	12 months
Number of digital machines that can be fed (average consumption 1 ton/mo)	9	15	31

## PRODUCTION

