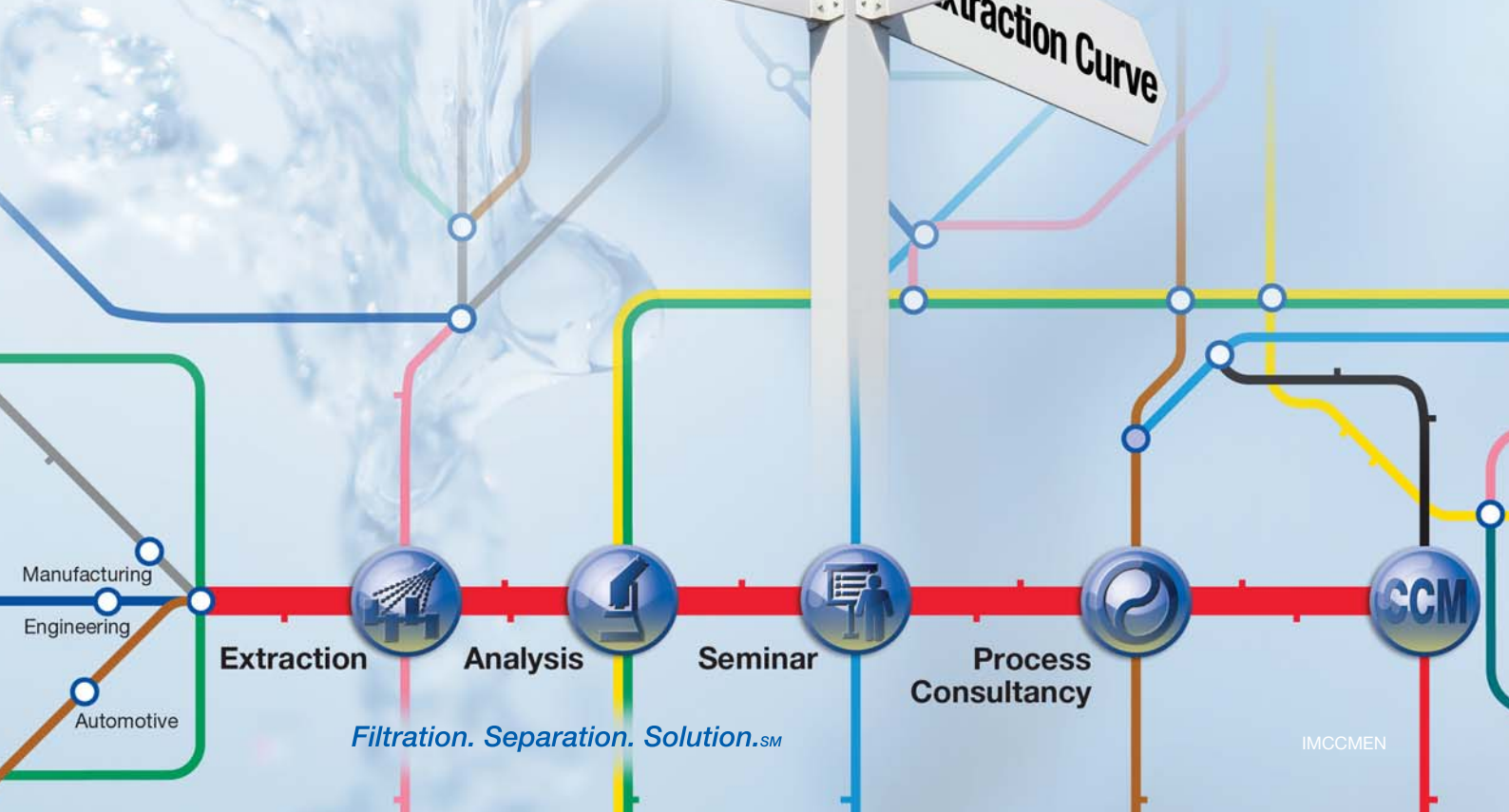




Pall Corporation

# Pall Component Cleanliness Management





## Pall Component Cleanliness Management

Pall Corporation solves complex contamination, separation, purification and monitoring problems. Pall is much more than a filter company.

The Pall Component Cleanliness Management (CCM) programme provides products and services for accurate,

reliable and repeatable component and fluid cleanliness measurement. The CCM programme includes the supply of cleanliness cabinets, cleanliness evaluations, specification development, customized training, all undertaken in cooperation with our customers to optimize in-plant processes.

## Pall Extraction Systems

### PCC 41-NG

#### Features

- Working area dimensions: H:780 x W:980 x D:570 mm
- Laminar Air Flow
- Hydraulic system
- Automatic Wall Washing System
- PLC Control With Touch Screen

PCC 40 also available without Automatic Wall Washing System or PLC Control



### PCC 030

#### Features

- Working area dimensions: H:800mm; DIA:500mm
- Closed System
- Hydraulic System
- Automatic Wall Washing System
- Blank value < 100µm
- PLC Control
- Loading door dimensions: 300mm x 200mm



### PCC 61

#### Features

- Working area dimensions H:780 x W:1650 x D:770 mm
- Laminar Air Flow
- Automatic Wall Washing System

PCC 60 also available without Automatic Wall Washing System



### PCC 61XL

#### Features

- Working area dimensions H:1400 x W:1700 x D:1444 mm
- Laminar Air Flow
- Automatic Wall Washing System



## Pall Extraction and Analysis Systems

### PCC 042

#### Features

- Working area dimensions H:780 x W:980 x D:570 mm
- Laminar Air Flow
- Automatic Wall Washing System
- PLC Control With Touch Screen
- Measure Particles in 8 Channels with Particle Sizes of 5µm - 600µm



### PCC 502

#### Features

- Working area dimensions: H:800 x W:1500 x D:680 mm
- Laminar Air Flow
- Hydraulic system
- Automatic Wall Washing System
- PLC Control With Touch Screen
- Particle Detection in the area of: >200µm; >100µm; >15µm



## Optional Extras



Customized doors



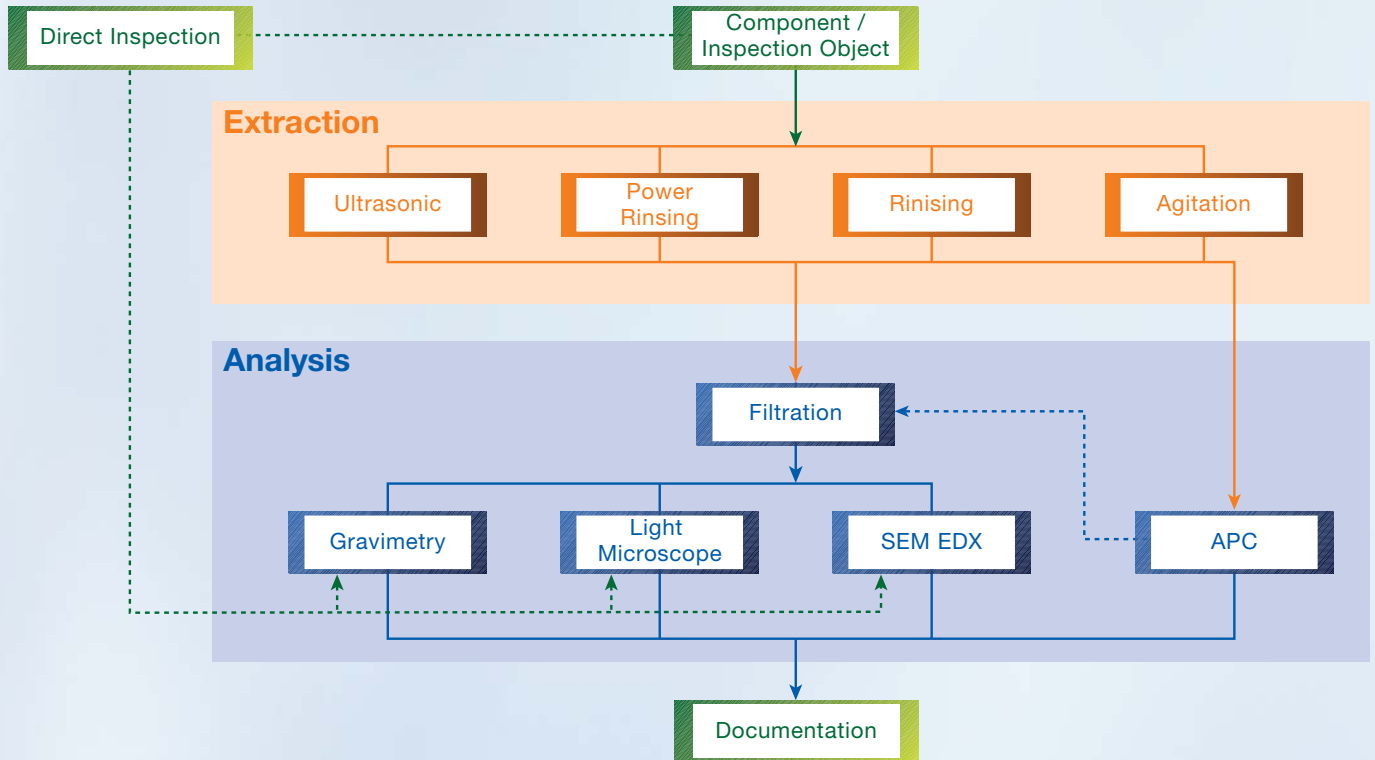
Lifting arm handling systems

**For customized solutions please contact Pall**

# Analysis



## Inspection and Analysis Methods



## Pall Laboratory and Audit Services

A principal element in Pall's customer support operations is our Scientific and Laboratory Services (SLS) Department. Filtration problems arising in the field can be assessed and simulated in the laboratory. Close monitoring by Pall scientists can determine the engineered solution to your contamination and separation problems and advise accordingly.

## Pall Concept of Component Cleanliness Services

- Analysis of the component contamination (on customer site and in our cleanliness laboratories)
- Provides Complete Report with Detailed Analysis Results
- Comparison of current cleanliness levels with existing specifications and market experience
- Data collection for quality reasons
  - Complete Analysis Equipment offer if needed (to analyse component and fluid cleanliness)
  - Fluid cleanliness analysis (as required)



Gravimetric Analysis



Microscopic Particle Counting



Contaminant Identification



Image Analysis Systems

## Interpretation of the analysis results together with the customer

- First improvement suggestions
- Formulation of a process optimisation concept through Pall Consultancy Group



## Training Seminars

Our aim is to provide you with clear, inspiring training programmes that suit all levels of trainee and to ensure technologies, knowledge and application experience remain useful long after course completion.

Why Pall Industrial Training?

- Standard or Customised programmes
- Increase operating efficiency
- Improved knowledge
- Increase application experience
- Regional focus



## The Pall Industrial Training Programmes include:

- ISO 16232 / VDA 19 seminars/workshops
- Component Cleanliness seminars/workshops
- Fluid Cleanliness Fundamentals
- How to measure cleanliness of fluids and components
- Effect of filtration to component cleanliness
- Customized training programmes

## Process Consultancy

- Process analysis/assessment (current status)
- Interpretation of the assessment results
- Formulation of process improvement suggestions
- Develop and validate cleanliness specifications (components and fluids)
- Formulation of expertise and supplier ratings
- Achieve and execute cleanliness specifications
- Qualification analysis
- Laboratory and Service expertise
- Filtration solutions

**Build it Clean,  
Keep it Clean**



Pall Corporation

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