



MICROFILTER

company introduction
2020



MICROFILTER CO., LTD | With People, Nature and Environment
Professional Water Filter Manufacturing Company

Why Microfilter becomes long and reliable!

- Global filter manufacturer
- Original filter manufacturer for refrigerators
- Over 4 mil. water filters are being operated in house/restaurant/office in Korea
- Maximize customer's benefits with stable quality
- All parts are designed based on NSF
- In-house production from materials to finished products
- Modern and automated production line
- Global certification Know-How

01. Company introduction

MICROFILTER



Microfilter established 2002 after the expiration of Joint venture in 1996 with USA company.

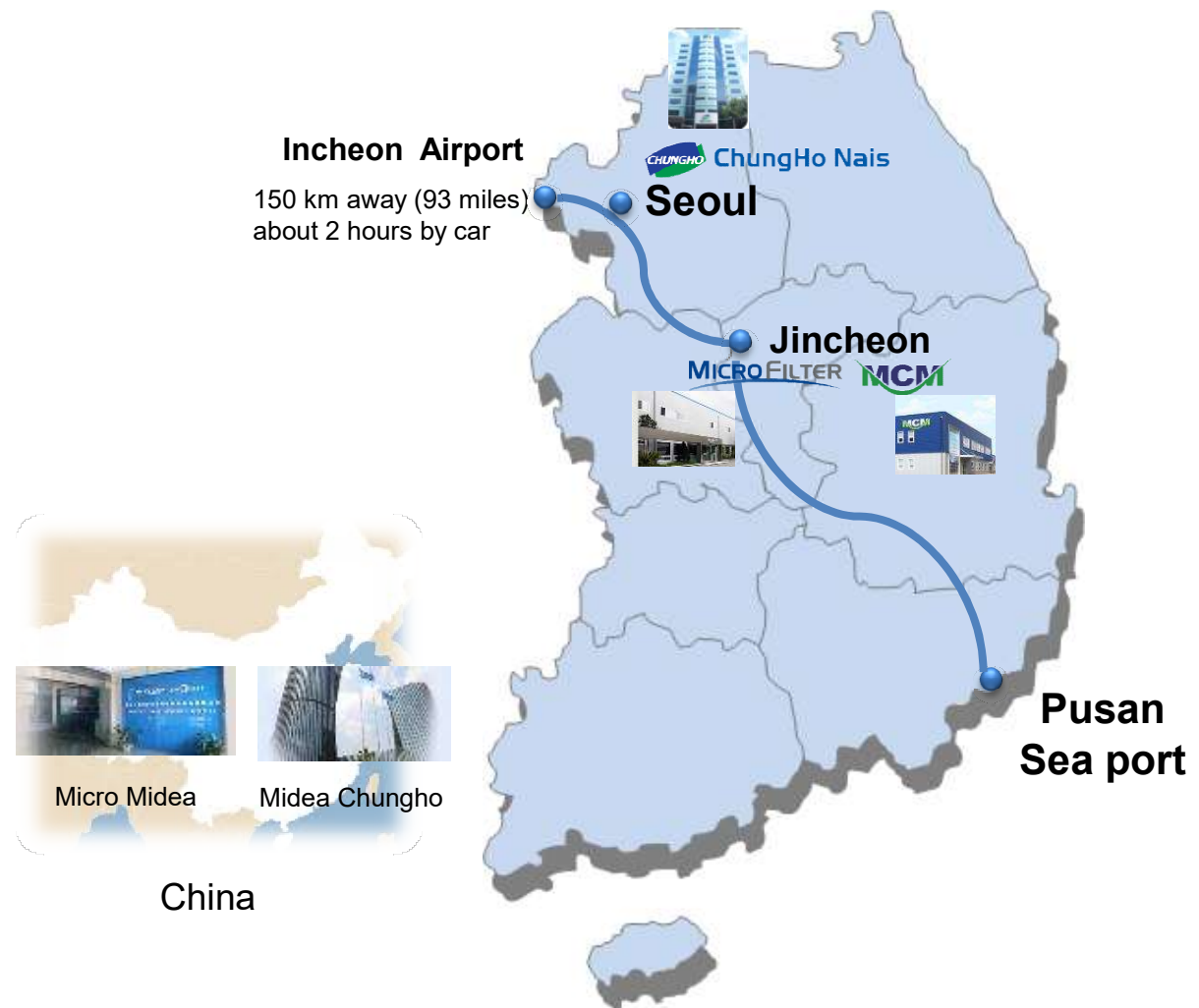
Established	2002.12.27
Address	Gwinong 3-Gil, Deoksan-myeon, Jincheon-gun, Chungbuk 27856 Rep. of Korea
Employees	Administration 80 (R&D 40) / Production 190
Main Customers	Samsung / LG electronics / Bosch / Daewoo / Elecrolux / Lotte / Culligan, Global companies
Business Sectors	<ul style="list-style-type: none">- Water treatment system and replacement filter (Refrigerator filter and module, residential and commercial system)- Industrial filter cartridge- Multi functional (High performance) carbon block / membrane
Certification	<ul style="list-style-type: none">▪ NSF▪ ISO 9001 / 14001▪ SII 61491▪ CE▪ HALAL▪ SII 64008▪ ROHS▪ WRAS▪ Water Mark



02. Company Location

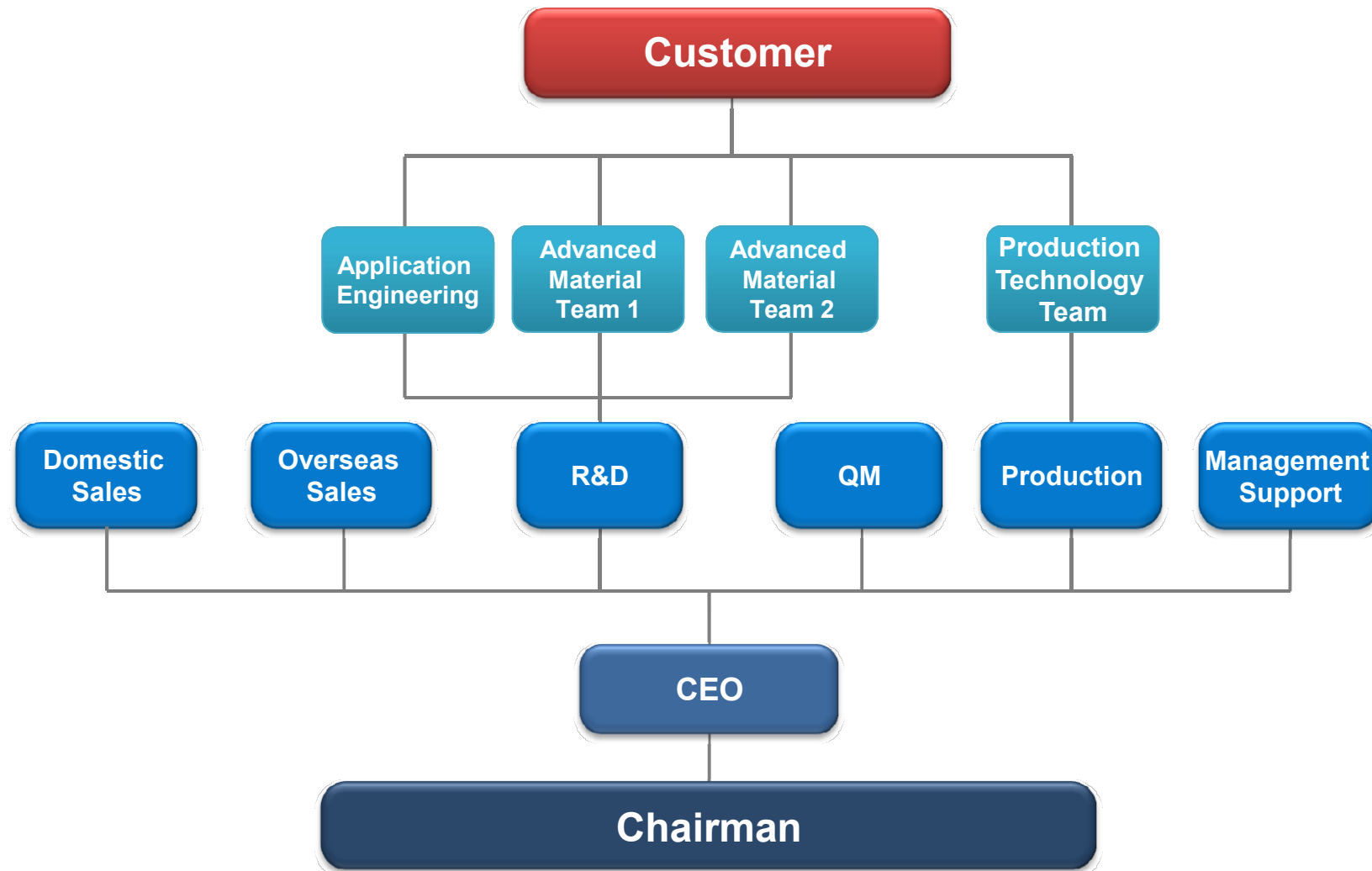
MICROFILTER

- From Seoul to Jincheon : 1.5 hours by car
- From Jincheon to Incheon Airport : 2 hours by car
- From Jincheon to Pusan(Sea port) : 4 hours by car



03. Organizations

MICROFILTER



BUSINESS SECTORS



**Counter Top
Water Purifier**



Bidet



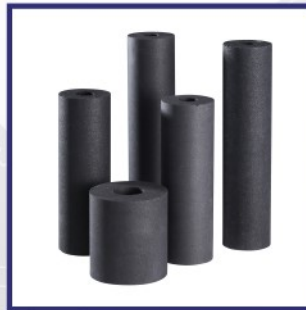
**Refrigerator Filter
and Module**



Undersink System



**Commercial /
Industrial Filter**



Carbon Block



**Filter for Medical
Appliance**



**Shower Head with
Filter and Washing
Machine Filter**



Securing Global Technology



R&D Center

- R&D : 30 persons
- Raw Material Team
 - Membrane
 - Carbon block
 - Various Filter material
- system Design Team
 - Water filter
 - Filtration System
 - Module and Valves



Certification

- NSF/ASI 42, 53, 58 , 401
- The Largest number of NSF certification in Korea
- WRAS
- Halal
- CE
- ISO 14001, 9001
- KC
- Water Mark
- SAI



Patents

- 110 Patents and Design
 - : Patents 65
 - : Design 44
 - : Trademark 1
- No patents issues (Designed by Our own patents)



Professional Co-Work

- Performs technology Transfer and advisory national tasks, such as a group of global companies and cooperation experts

Global certification



ISO 9001&14001

- Intellectual property rights : total 110 (Patent : 65 / Design : 44 / Trademark : 1)

07. Automated Production

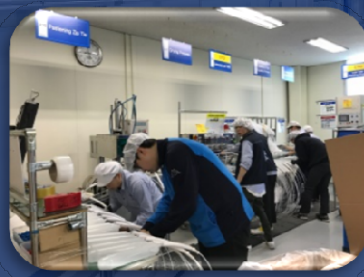
MICROFILTER

**20mil. pcs
Production capacity
/YEAR**



Mold Injection Line

7 lines



**Semi Automatic
Production Line**

5 mil. pcs/year



**Full Automatic
Production Line**

10 mij. pcs/year

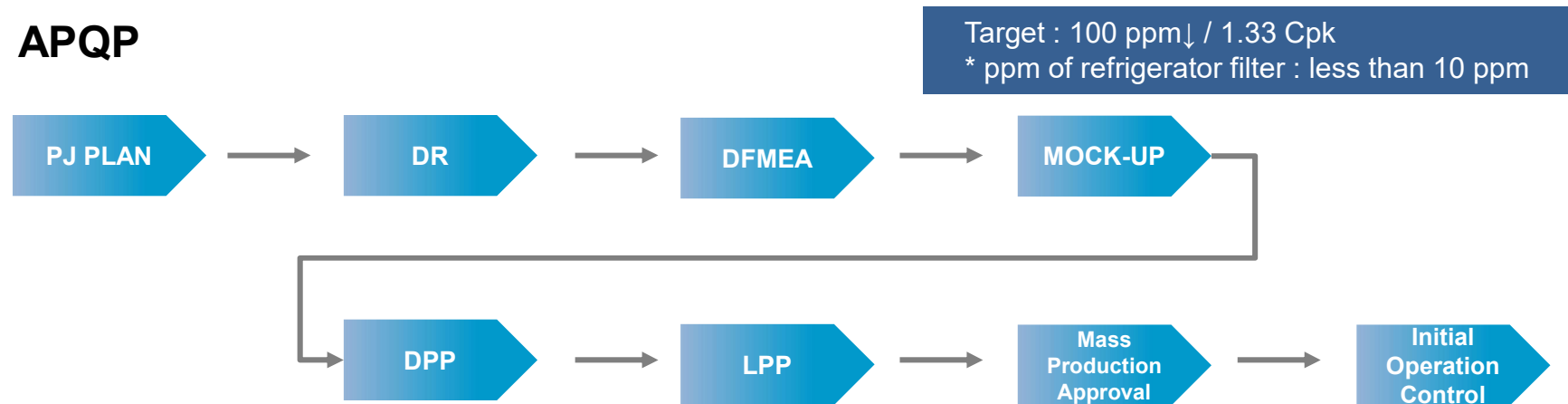


**Carbon Block
Extrusion Line**

Total 4 lines 6mil. pcs/year

Quality Management System : targeting zero defect

■ APQP



■ Process quality control :

100% leak test (submerged test, pressure difference test)

Inspection on initial, middle, and final product & process patrol inspection)

■ Incoming quality control :

Inspection (raw material water content & harmful substance, roughness / shape, block pressure difference)

■ Outgoing quality control :

Product reliability & performance test (impulse, hydro, burst, chlorine removal, leak, flow rate)

ZERO DEFECTS



**AUTOMATIC
PRODUCTION**



**100%
INSPECTION**



**INHOUSE
PRODUCTION**

(From raw material to finished
products)



**GLOBAL QUALITY
STANDARD**

(PLM and ERP system)

10. Product Line up

MICROFILTER



Refrigerator filter



**Commercial Water
Filter and System**



Undersink



Carbon block



RO Element



UF Element

10. Refrigerator Water Filter System

MICROFILTER

- World leading ODM refrigerator filter
- NSF 42 /53 /401 Certified
- Accumulated experience in refrigerator module

with global top tier

(filter, head, water tank assembly and water valve supply all together as a project)

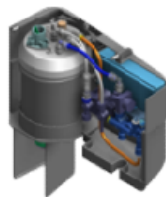
- Consecutive one year business with

S-Electronics for refrigerator module

Designated supplier for whole module and parts (100%)



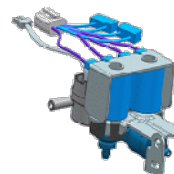
Refrigerator Filter System



Water Module



Water Tank



Water Valve Module



10. Commercial Filter System I

MICROFILTER



HF Series

Optimized water filtration system for drinking water and commercial appliances

- All In One Filter, Water Softener Filter, Carbon Block Filter, Scale Inhibitor Filter

NSF 42 certified (NSF 42, 53)

- NSF 42 (15, 17inch 1 μm , 5 μm) / NSF 42 & 53 (17inch 0.5 μm)

Main Customers

- Domestic : Lotte, Angelinus Coffee, KrispyKreme Doughnuts and etc..
- Overseas : H2O (England), Organo (Japan), Watch Water (Germany) and global home appliance companies



10. Commercial Filter System II

MICROFILTER

FLUUX | **FX Series, IEN Series**



**Hybrid cartridge suitable for tight HORECA kitchen space
- 4 step "All-In-One" (Felt + Carbon + UF + Polyphosphate)**



FX-Series
Cyst Bacteriostatic Effects



FXL-Series
(Lead)



FXC-Series
(Chloramine)



IEN-Series
Protect
HORECA Appliances

M9 System, U1 System

- Easy DIY System (pull & turn quick change type)
- NSF 58 / CA Certified System (M9 RO 4 stage system)



► U1 Series



► U9 Series

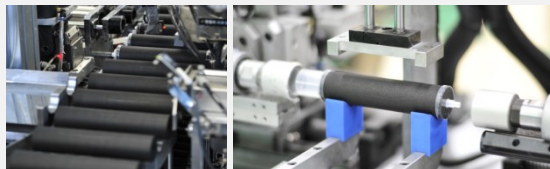
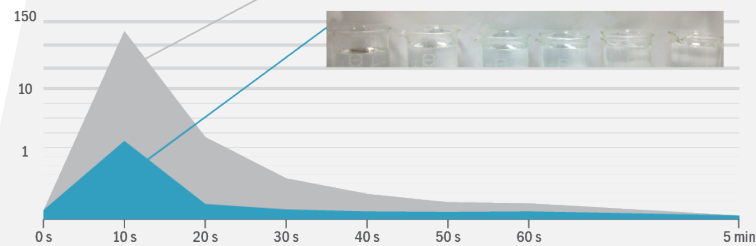


Carbon Block

- Extrusion type carbon block with refined surface
- Minimize flushing time (less carbon media particles)
- No additional acid process required
- 100% outgoing inspection guarantees stabilized quality
- Satisfied with NSF 42, 53, 401

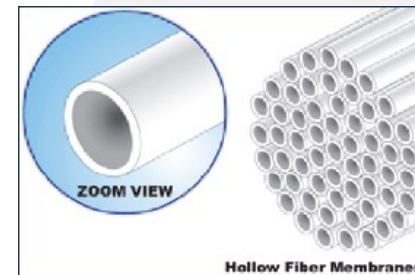
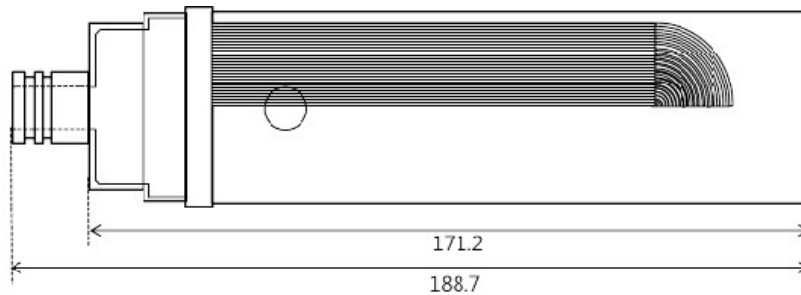
초기 플러싱 미분

- 마이크로필터 압축 카본블럭
- 경쟁사 압축 카본블럭



UF Membrane

Microfilter's UF membrane suits best for all water purification system
(removes bacteria up to 99.99%)



Picture



Certificate



11. World wide Sales

MICROFILTER

- Delivering the most reliable water filter customized for your market
- 25 countries / 36 customers around the world



