



JUNTAI



骏泰塑业
JUNTAI PLASTIC

MBBR MEDIA

Hangzhou Juntai Plastic Products Co.,Ltd.

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Company Introduction

Hangzhou Juntai Plastic Products Co. Ltd., was founded in 2013, We established factory Anhui Juntai Technology Co., Ltd in Anqing City. We won the National high-tech enterprise in 2019 and has main patents for Plastic profile, MBBR media, Tube settlers, Disc diffuser, Tube diffuser, water treatment Equipment. Now we are one of the excellent manufacturers of in water treatment field.

In terms of production capacity. We have 6760 m² factory in Anhui with 55 High speed extruded lines and injection lines. The annual capacity of MBBR is more than 100,000 CBM; the annual Capacity of Tube settlers, diffuser and PVC profiles, injection parts are more than 8,000 tons. High quality with ISO9001 and other international certifications.

Hangzhou Juntai try to be a system solution supplier for water treatment projects which offer design and all the service, this way can be save much money and time for Customer.

Juntai MBBR media widely used in wastewater treatment; We work with professional environmental engineers and cooperated with three China Universities to ensure high quality while ensuring better service.

Juntai products have been exported more than 54 countries, including America. Mexico, Sweden, Malaysia, Philippines, etc.

Choose Juntai, and Juntai team will return back you full satisfied. We are very happy to cooperate with you and finally bring you satisfactory products. We look forward to receiving your inquiry soon.



JUNTAI Factory

Start a career with essence, win through high quality.





JUNTAI MBBR BIO MEDIA



MBBR37

Patent NO.: ZL2020
30141332.8



MBBR19

Patent NO.: ZL2020
30141332.8



MBBR61



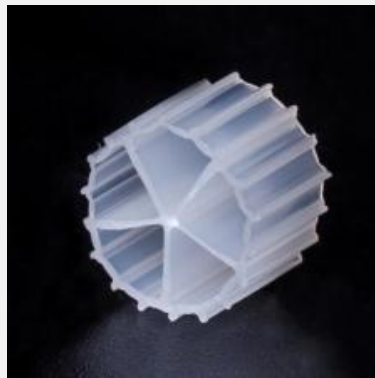
MBBR64



MBBR08



MBBR05



MBBR06



MBBR04



MBBR40



MBBR19-2

New

Size: $\Phi 25 \times 4 \text{ mm}$ Hole Numbers: 78

Material: 100% White Virgin HDPE

Density: $0.96 - 0.98 \text{ g/cm}^3$

Surface Area: $> 1600 \text{ m}^2/\text{m}^3$

Dosing Ratio: 15-65%

Membrane-Forming Time: 3-15 days

Nitrification Efficiency : $400 - 1200 \text{ gNH}_4 \text{ N/M}^3.\text{d}$

BOD₅ Efficiency: $2000 - 10000 \text{ g BOD}_5/\text{M}^3.\text{d}$

COD₅ Efficiency: $2000 - 15000 \text{ gCOD}_5/\text{M}^3.\text{d}$

Applicable Temperature: $5 - 60^\circ\text{C}$

Life-Span: $> 20 \text{ year}$

Patent NO. : ZL2023 30141522. 8

New



Size: $\Phi 25 \times 12 \text{mm}$, Hole Numbers: 38

Material: 100% White Virgin HDPE

Density: $0.96-0.98 \text{g/cm}^3$

Surface Area: $> 800 \text{m}^2/\text{m}^3$

Porosity: $> 85\%$

Dosing Ratio: 15-65%

Membrane-Forming time: 3-15 days

Nitrification Efficiency: $400-1200 \text{g NH}_4\text{N}/\text{M}^3.\text{d}$

BOD₅ Efficiency: $2000-10000 \text{g BOD}_5/\text{M}^3.\text{d}$

COD₅ Efficiency: $2000-15000 \text{g COD}_5/\text{M}^3.\text{d}$

Applicable Temperature: $5-60^\circ\text{C}$

Life-Span: $> 20 \text{year}$



骏泰塑业
JUNTAI PLASTIC

PATENT JUNTAI MBBR Introduction

MBBR37

NEW



Patent NO. : ZL2020 30141332.8

Size: $\Phi 25 \times 12 \text{mm}$, Hole Numbers: 37

Material: 100% White Virgin HDPE

Density: $0.96-0.98 \text{g/cm}^3$

Surface Area: $> 800 \text{m}^2/\text{m}^3$

Porosity: $> 85\%$

Dosing Ratio: 15-65%

Membrane-Forming time: 3-15 days

Nitrification Efficiency: $400-1200 \text{g NH}_4\text{N}/\text{M}^3.\text{d}$

BOD₅ Efficiency: $2000-10000 \text{g BOD}_5/\text{M}^3.\text{d}$

COD₅ Efficiency: $2000-15000 \text{g COD}_5/\text{M}^3.\text{d}$

Applicable Temperature: $5-60^\circ\text{C}$

Life-Span: $> 15 \text{year}$



Hot



Size: $\Phi 25 \times 12 \text{mm}$ Hole Numbers: 19

Material: 100% White Virgin HDPE

Density: $0.96-0.98 \text{g/cm}^3$

Surface Area: $> 650 \text{m}^2/\text{m}^3$

Porosity: $> 85\%$

Dosing Ratio: 15-65%

Membrane-Forming Time: 3-15 days

Nitrification Efficiency : $400-1200 \text{gNH}_4 \text{ N}/\text{M}^3.\text{d}$

BOD₅ Efficiency: $2000-10000 \text{g BOD}_5/\text{M}^3.\text{d}$

COD₅ Efficiency: $2000-15000 \text{gCOD}_5/\text{M}^3.\text{d}$

Applicable Temperature: $5-60^\circ\text{C}$

Life-Span: $> 15 \text{year}$

Hot



Patent NO. : ZL2020 30250198. 5

Size: $\Phi 25 \times 4 \text{mm}$ Hole Numbers: 61

Material: 100% White Virgin HDPE

Weight: 125KG/CBM

Density: $0.96-0.98 \text{g/cm}^3$

Surface Area: $> 1250 \text{m}^2/\text{m}^3$

Porosity: $> 85\%$

Dosing Ratio: 15-65%

Membrane-Forming Time: 3-15days

Nitrification Efficiency : $400-1200 \text{gNH}_4 \text{N}/\text{M}^3.\text{d}$

BOD₅ Efficiency: $2000-10000 \text{g BOD}_5/\text{M}^3.\text{d}$

COD₅ Efficiency: $2000-15000 \text{gCOD}_5/\text{M}^3.\text{d}$

Applicable Temperature: $5-60^\circ\text{C}$

Life-Span: $> 15 \text{year}$



JUNTAI MBBR Introduction

MBBR64

Hot

Size: $\Phi 25 \times 4\text{mm}$ Hole Numbers: 64

Material: 100% White Virgin HDPE

Density: $0.96\text{--}0.98\text{g/cm}^3$

Surface Area: $> 1200\text{m}^2/\text{m}^3$

Porosity: $> 85\%$

Dosing Ratio: 15-65%

Membrane-Forming Time: 3-15 days

Nitrification Efficiency : $400\text{--}1200\text{gNH}_4\text{ N/M}^3.\text{d}$

BOD₅ Efficiency: $2000\text{--}10000\text{g BOD}_5/\text{M}^3.\text{d}$

COD₅ Efficiency: $2000\text{--}15000\text{gCOD}_5/\text{M}^3.\text{d}$

Applicable Temperature: $5\text{--}60^\circ\text{C}$

Life-Span: $> 15\text{year}$





Hot



Size: $\Phi 11 \times 7 \text{ mm}$ Hole Numbers: 04

Material: 100% White Virgin HDPE

Density: $0.96 - 0.98 \text{ g/cm}^3$

Surface Area: $> 900 \text{ m}^2/\text{m}^3$

Porosity: $> 85\%$

Dosing Ratio: 15-65%

Membrane-Forming Time: 3-15 days

Nitrification Efficiency : $400 - 1200 \text{ gNH}_4 \text{ N/M}^3.\text{d}$

BOD₅ Efficiency: $2000 - 10000 \text{ g BOD}_5/\text{M}^3.\text{d}$

COD₅ Efficiency: $2000 - 15000 \text{ gCOD}_5/\text{M}^3.\text{d}$

Applicable Temperature: $5 - 60^\circ\text{C}$

Life-Span: $> 15 \text{ year}$



JUNTAI MBBR Introduction

MBBR05



Size: $\Phi 11 \times 7 \text{ mm}$ Hole Numbers: 05

Material: 100% White Virgin HDPE

Density: $0.96-0.98 \text{ g/cm}^3$

Surface Area: $> 1000 \text{ m}^2/\text{m}^3$

Porosity: $> 85\%$

Dosing Ratio: 15-65%

Membrane-Forming Time: 3-15 days

Nitrification Efficiency : $400-1200 \text{ gNH}_4 \text{ N/M}^3.\text{d}$

BOD₅ Efficiency: $2000-10000 \text{ g BOD}_5/\text{M}^3.\text{d}$

COD₅ Efficiency: $2000-15000 \text{ gCOD}_5/\text{M}^3.\text{d}$

Applicable Temperature: $5-60^\circ\text{C}$

Life-Span: $> 15 \text{ year}$



JUNTAI MBBR Introduction

MBBR06



Size: $\Phi 16 \times 10 \text{mm}$ Hole Numbers: 06

Material: 100% White Virgin HDPE

Density: $0.96-0.98 \text{g/cm}^3$

Surface Area: $> 800 \text{m}^2/\text{m}^3$

Porosity: $> 85\%$

Dosing Ratio: 15-65%

Membrane-Forming Time: 3-15 days

Nitrification Efficiency : $400-1200 \text{gNH}_4 \text{ N}/\text{M}^3.\text{d}$

BOD₅ Efficiency: $2000-10000 \text{g BOD}_5/\text{M}^3.\text{d}$

COD₅ Efficiency: $2000-15000 \text{gCOD}_5/\text{M}^3.\text{d}$

Applicable Temperature: $5-60^\circ\text{C}$

Life-Span: $> 15 \text{year}$

JUNTAI MBBR Introduction

MBBR08

Size: $\Phi 10 \times 5 \text{mm}$ Hole Numbers: 08

Material: 100% White Virgin HDPE

Density: $0.96-0.98 \text{g/cm}^3$

Surface Area: $> 3500 \text{m}^2/\text{m}^3$

Porosity: $> 85\%$

Dosing Ratio: 15-65%

Membrane-Forming Time: 3-15 days

Nitrification Efficiency : $400-1200 \text{gNH}_4 \text{ N}/\text{M}^3.\text{d}$

BOD₅ Efficiency: $2000-10000 \text{g BOD}_5/\text{M}^3.\text{d}$

COD₅ Efficiency: $2000-15000 \text{gCOD}_5/\text{M}^3.\text{d}$

Applicable Temperature: $5-60^\circ\text{C}$

Life-Span: $> 15 \text{year}$





JUNTAI MBBR Introduction

MBBR40



Size: $\Phi 15 \times 15 \text{ mm}$ Hole Numbers: 40

Material: 100% White Virgin HDPE

Density: $0.96 - 0.98 \text{ g/cm}^3$

Surface Area: $> 900 \text{ m}^2/\text{m}^3$

Porosity: $> 85\%$

Dosing Ratio: 15-65%

Membrane-Forming Time: 3-15 days

Nitrification Efficiency : $400 - 1200 \text{ gNH}_4 \text{ N/M}^3.\text{d}$

BOD₅ Efficiency: $2000 - 10000 \text{ g BOD}_5/\text{M}^3.\text{d}$

COD₅ Efficiency: $2000 - 15000 \text{ gCOD}_5/\text{M}^3.\text{d}$

Applicable Temperature: $5 - 60^\circ\text{C}$

Life-Span: $> 15 \text{ year}$

JUNTAI MBBR Introduction

MBBR19-2

Size: $\Phi 25 \times 12 \text{mm}$, Hole Numbers: 19

Material: 100% White Virgin HDPE

Density: $0.96-0.98 \text{g/cm}^3$

Surface Area: $> 650 \text{m}^2/\text{m}^3$

Porosity: $> 85\%$

Dosing Ratio: 15-65%

Membrane-Forming time: 3-15 days

Nitrification Efficiency: $400-1200 \text{g NH}_4\text{N}/\text{M}^3.\text{d}$

BOD₅ Efficiency: $2000-10000 \text{g BOD}_5/\text{M}^3.\text{d}$

COD₅ Efficiency: $2000-15000 \text{g COD}_5/\text{M}^3.\text{d}$

Applicable Temperature: $5-60^\circ\text{C}$

Life-Span: $> 15 \text{year}$





Size: $\Phi 187\text{mm} \times 51\text{mm}$ Hole Numbers: 20

Material: Black PP

Weight: 75g/pcs

weight: 37.5KG/CBM

Density: 0.92-0.98g/cm³

Surface Area: > 100m²/m³

Applicable temperature: 5-60°C

Life-span: > 15year

Our Advantage

	JUNTAI MBBR	other MBBR
Material:	100% New HDPE	Plastic filler
Quality Control:	1. The shape is perfect, cannot deform easily. 2. Can be anti-UV 3. Less dust suitable for aquaculture 4. FDA food grade	1. Easy to deform. 2. No UV protection 3. More dust 4. Non-food grade
Production Control:	20 high-speed production lines, production speed is 1.5 times that of others	Average production speed
Company Team:	1. Professional R&D team with 5 person 2. Water treatment engineer team with 2 person 3. International sales team with 10 person 4. Quality control team with 8 person	None
Terms of delivery:	FOB, CFR(C&F), CIF, EXW, DDP, DDU, etc.	Fewer choices
Product Service:	Complete pre-sales and after-sales service	Poor service

Raw Material Display



100% Virgin HDPE

产品数据表

赛科 HD5502FA
高密度聚乙烯树脂



产品描述

HD5502FA 是采用 1-己烯与乙烯共聚的高密度聚乙烯树脂，具有优良的加工性能，机械性能和耐环境应力开裂性能，广泛用于各种中空吹塑产品，制品具有优良的表面光泽和韧性。

典型应用

HD5502FA 适用于 1-己烯与乙烯共聚的高密度聚乙烯树脂，具有优良的加工性能，机械性能和耐环境应力开裂性能。

典型性能

性能	典型值	单位	测试方法
物理性能			
熔体流动速率 (190°C/10kg)	5.0	g/10min	GB/T 3682
密度 (20°C)	0.955	g/cm ³	GB/T 1033
结晶度 (%)	130	%	GB/T 19449.3
力学性能			
拉伸强度	25	MPa	GB/T 1040.2
断裂伸长率	750	%	GB/T 1040.2
冲击强度	1200	MPa	GB/T 1041
热变形温度 (10%负荷/23°C)	8.5	°C	GB/T 1633.1
热变形温度 (50%负荷/23°C)	4.0	°C	GB/T 1633.1
热变形温度 (10%负荷/23°C)	4.0	°C	GB/T 1633.1
热性能			
热变形温度 (50%负荷)	8.5	°C	GB/T 1633.2
热变形温度 (10%负荷)	4.0	°C	GB/T 1633.2

备注

1. 本数据表仅供参考，不作为法律依据。

产品安全符合性

HD5502FA 符合 GB 1898.6-2018《食品接触用塑料制品》，符合食品级和药品级（FDA）21CFR 177.1520(c) 1.1 的规定，以及欧盟 RoHS 指令的要求。HD5502FA 中不含重金属和邻苯二甲酸盐等有害物质，符合欧盟 REACH 法规的要求。

包装

聚乙烯树脂颗粒呈白色，颗粒均匀，流动性好，易于加工。产品具有良好的加工性能，可制成各种形状，如薄膜、管材、中空吹塑等。

安全及操作注意事项

聚乙烯树脂颗粒呈白色，颗粒均匀，流动性好，易于加工。产品具有良好的加工性能，可制成各种形状，如薄膜、管材、中空吹塑等。

**Comply with
US FDA and
EU RoHs
requirements**

如需更多信息，请联系我们。

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本公司生产的产品符合中国国家标准、行业标准、国际标准、客户要求等。本公司生产的产品符合中国国家标准、行业标准、国际标准、客户要求等。



骏泰塑业
JUNTAI PLASTIC

Production Workshop





骏泰塑业
JUNTAI PLASTIC

Production Machine





Anti-UV accelerate
aging of the measuring
instrument



Color assessment cabinet



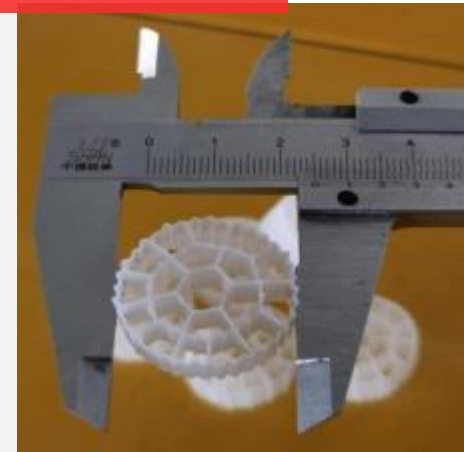
DN-B Whiteness meter



Oxygen Index
meter

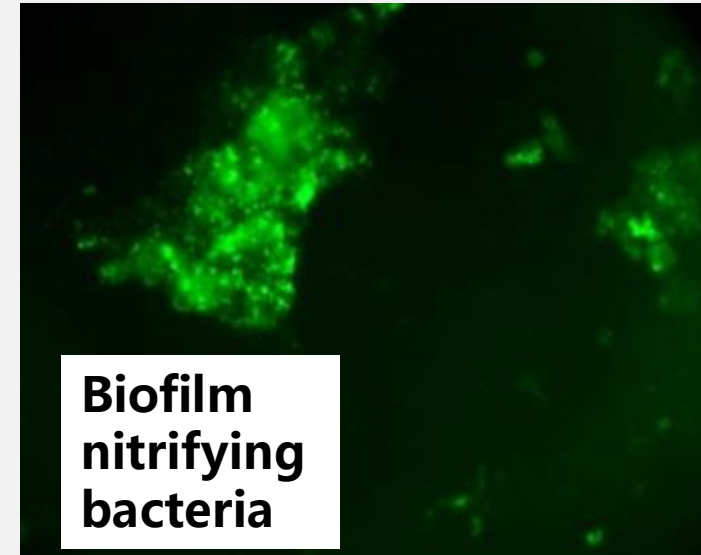
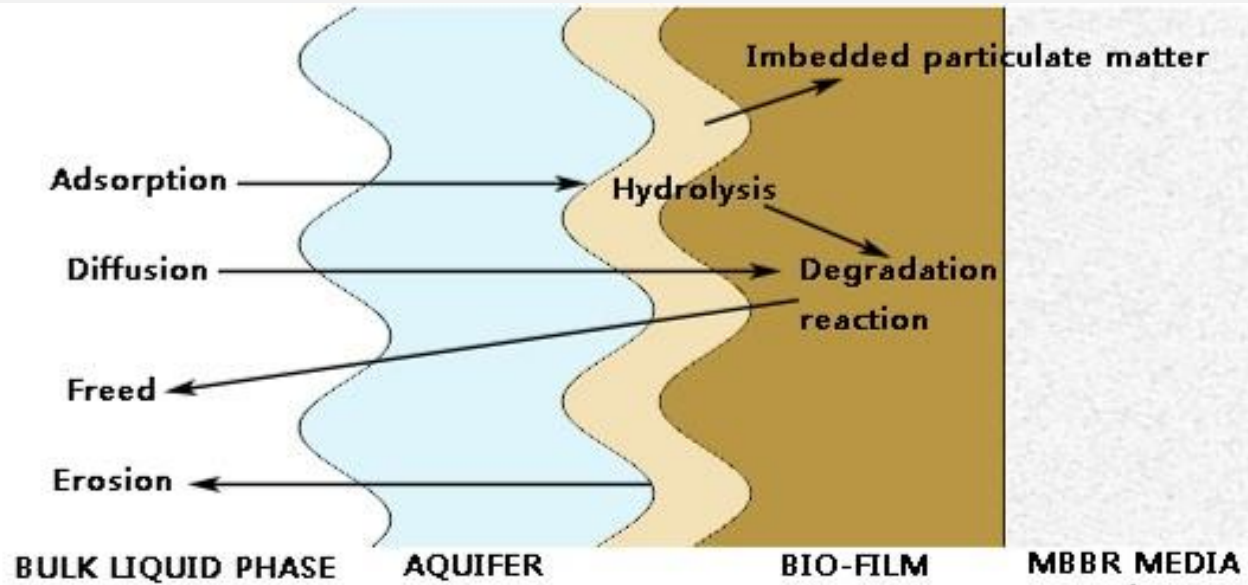


Apparent
particle
density meter



Testing Equipments from raw material to finished products to make sure the quality stable.

JUNTAI MBBR BIO MEDIA Nitritation and Denitrification

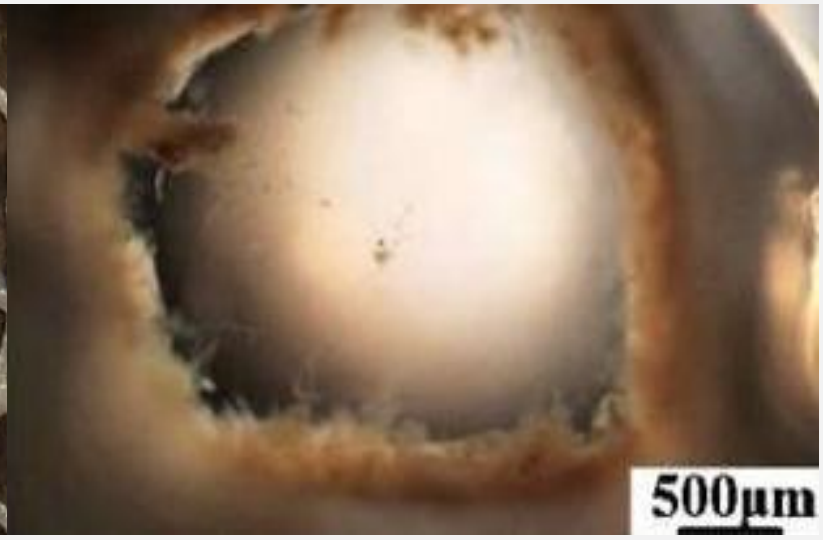
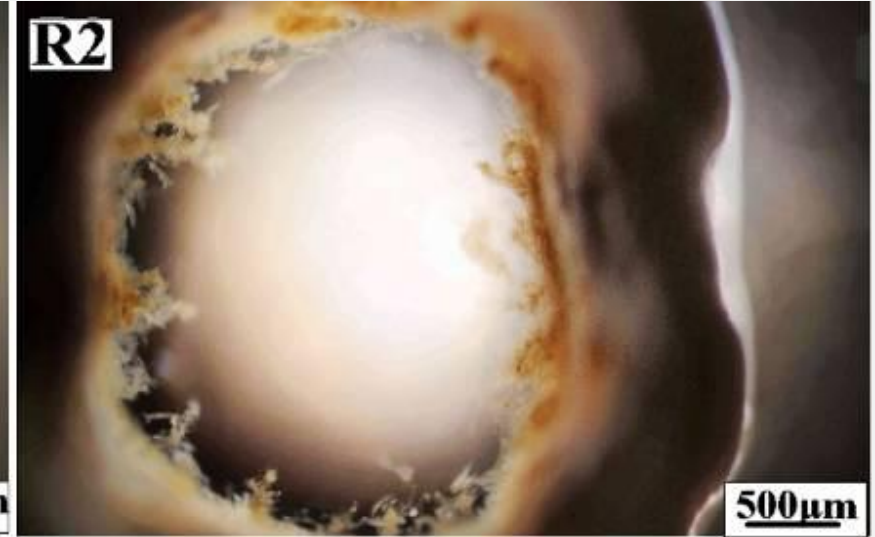
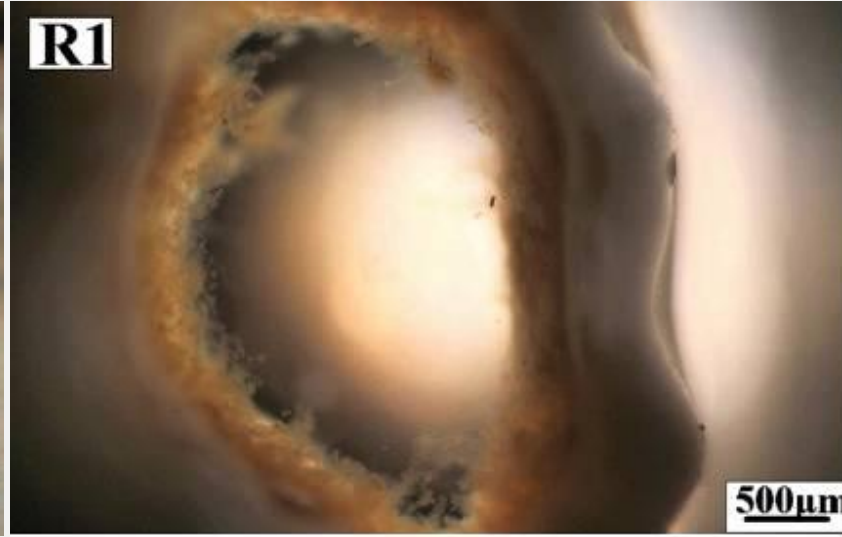
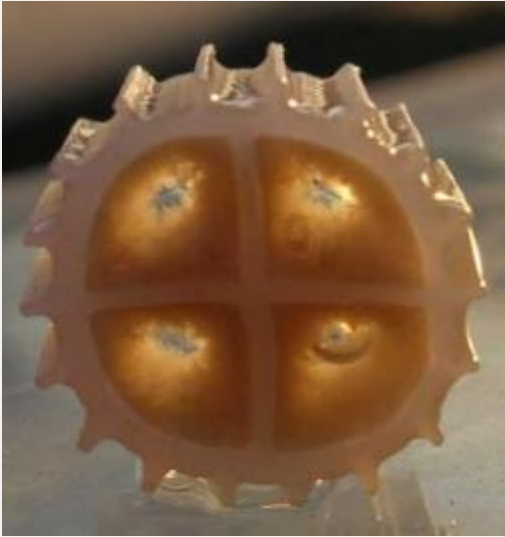


Nitrifying bacteria electron microscope drawing



骏泰塑业
JUNTAI PLASTIC

JUNTAI MBBR BIO MEDIA Membrane-forming



1 Municipal wastewater biological treatment



2 Industrial wastewater biological treatment



3 Aquaculture wastewater treatment



4 New construction and remould upgrade





Customer Requirement:

First they design processing capacity 55000ton per day, the process is traditional activated sludge process, the emission standard is second level. Now they require upgrade to primary A standard.

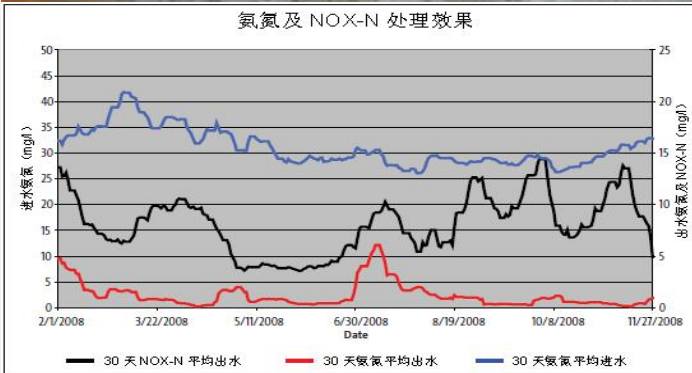
Solution:

Use JUNTAI MBBR process reconstruction scheme as follow:

- ① Not need to build new aerobic process basin, put the JUNTAI MBBR to original aerobic process basin; Remould the aerating system, set up the intercept device when effluent.
- ② Build new anaerobic basin and anoxic basin

Result:

MBBR process can reach good treatment effect for ammonia nitrogen and total nitrogen removal. the effluent water quality index can reach up to primary A standard.



JUNTAI MBBR Case : A Textile companies In Shaoxing



Customer Requirement:

A wastewater treatment have device can dispose 450ton per day, influent COD can reach up to 15000mg/l, ammonia nitrogen can reach up to 600mg/l, treatment process is anaerobic +A/O activated sludge, the effluent standard is three-level. Due to their high wastewater pollutants concentration, high impact load, frequent excessive effluent treatment, particularly ammonia nitrogen treatment effect is not satisfactory. Customer requests transformation facilities, increase the processing capacity, and achieve stable discharging standard.

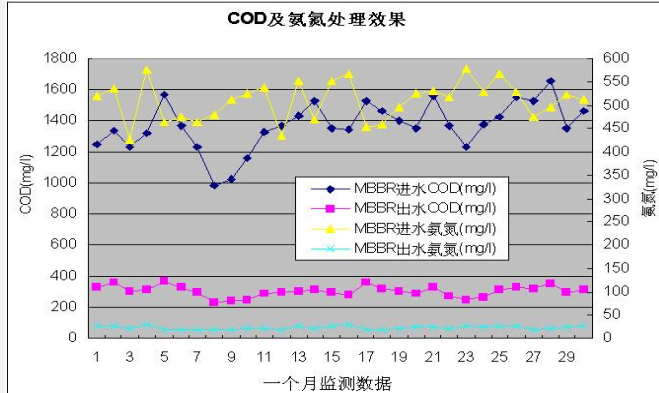
Solution:

Use JUNTAI MBBR process reconstruction scheme as follow:

- ① Not need to build new aerobic process basin, put the JUNTAI MBBR to original aerobic process basin; Remould the aerating system, set up the intercept device when effluent.
- ② Build new anaerobic basin and anoxic basin

Result:

Improve the facilities processing capacity to 700tons per day, effluent water quality indexes were stable.



JUNTAI MBBR Case : A Malaysian aquaculture company



Customer Requirement:

The aquaculture pollution caused by high-yield aquaculture will exceed the self-purification capacity of the crab pond itself, which will seriously affect the increase in the yield, quality and efficiency of crab breeding in the pond.

Solution:

Use JUNTAI MBBR process reconstruction scheme as follow:

Put the JUNTAI MBBR into the breeding circulating water equipment

Result:

Reduce nitrate accumulation in circulating aquaculture system and reduce water eutrophication



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