

Our Chinese Licensee (CZZH)

Company Name	常州市中海船舶螺旋桨有限公司 (Changzhou Zhonghai Marine Propeller Co.,Ltd :CZZH)
Address	Changzhou City
History	Established in 1992
Employee	180
Main product	Fixed Pitch Propeller etc.



New Factory Completed
in 2014

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Maximum : 5,000ton

Casting weight : 120tons

Capacity

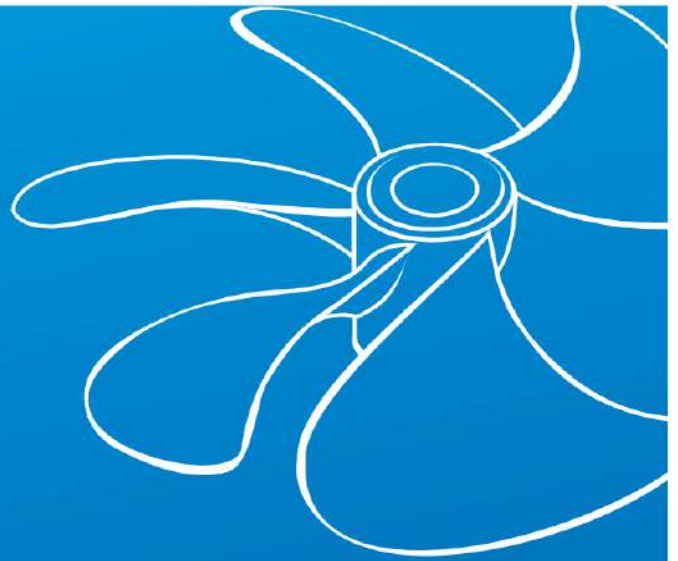
Maximum Diameter : 11,000mm
Maximum Weight : 85.0ton

Marine shafting machining
length=16,000mm, weight=100 ton



To make the propeller retrofit proposal
Please submit the following technical information to us.

- **Hull & main engine particulars.**
- **Hull resistance and self propulsion factor or model test report.**
- **Original propeller data.**
- **Actual operating condition of the vessel in service, for example “Log Data (one year)”.**



Zhonghai
Marine
Propeller

(CZZH)

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Changzhou Zhonghai Marine Propeller Co., Ltd.

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做
中国最优秀的
船用配套企业！

Striving to be
the best manufacturer
for ship equipments
in China!





ABOUT / 公司简介

CHANGZHOU ZHONGHAI

常州市中海船舶螺旋桨有限公司，坐落在常州市武进区溪西工业区，占地5万平方米，建有四大主要车间：铸委车间、机加车间、成品加工车间、轴承加工车间。Chongzhou Zhonghai Marine Propeller Co., Ltd (CZZH), that is engaged in making propellers in China, which covers an area of about 50000 m². It has four workshops called: Foundry, Machining, Finished and Marine shafting machining.

【我们的产品和服务】
固定桨的研发设计与制造。
可调桨叶片及桨毂制造。
轴承打包供货等。

【我们的生产能力】
螺旋桨最大直径11米，
一次铸造吨力达120吨；
轴承加工长度16米，
重量80吨。

【我们的质量】
常州中海，取得了CCS船级社质量体系认证，
通过了ABS、BV、CCS、DNV、KR、LR、GL、NK、
RINA、RMRS世界十大船级社认可，
以及中国船检china ZY认可。

【我们的目标】
做中国最优秀的船用配套企业！



Our product: FPP design & manufacturing, CPP & hub manufacturing, marine shafting package supply.
Our capacity: Propeller Max Diameter = 11m, Casting weight = 120 Ton;
Marine shafting machining length=16m, weight=80 ton.
Our quality: Our production is under the ISO 9001 quality system.
Our factory is qualified by the main classification societies in the world: ABS, BV, CCS, DNV, GL, LR, RINA, KR, NK, RMRS, ZY.

We want to be:

Striving to be the best manufacturer for ship equipments in China!



Design / 设计研发

R&D

CHANGZHOU ZHONGHAI

常州中海与MARIN (荷兰水池) 签署《支持及咨询协议》，
独家购买MARIN (荷兰水池) QPROP的螺旋桨设计程序软件，
培训专业的使用设计软件团队，满足高质量、高效率螺旋桨设计需求。

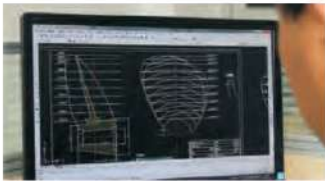
同时，常州中海与中国船舶科学研究中心、上海船舶运输科学研究所、
英国SMP签署合作框架协议，就螺旋桨设计、加工、
书影产品销售等进行全方面合作。

面对挑战的市场，唯有创新才是不竭动力。常州中海不惜研发投入，
为船厂、船东节能降耗、节能环保的螺旋桨是我们的研发目标。

We sign (Support & Consultancy contract) with MARIN
and purchase exclusive MARIN QPROP about propeller design
software. Our design team is always trained professionally.

Also we cooperate with CSSRC, SSSRI, SMP
about propeller design, manufacture and sales.

Efficient, Energy saving, Environmental propeller design
is we want to do!



MARIN QPROP ABOUT PROPELLER SOFTWARE
独家购买荷兰水池QPROP螺旋桨设计程序软件



铸造 Foundry

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拥有两台25吨中频电炉，一台50吨保温炉，一次性浇铸能力达120吨，完善的检测工具和技术熟练的、规范化操作的造型团队，保证铸件的良好品质。



We have two induction furnaces of 25-ton capacity, one holding furnace of 50-ton capacity etc.

Experienced mould and pouring team ensure a good quality of casting





Machining / 机械加工

CHANGZHOU ZHONGHAI

10米、8米、6米、4米、2.5米、1.6米系列数控立式车等各类机加工设备，
确保了各种型号的螺旋桨机加工尺寸的精准。

We have CNC vertical lathes of 10m, 8m, 6m, 4m, 2.5m, 1.6m and so on, that ensure the machining dimension of various types of propellers.



10米数控立式车床
Diameter 10m NC vertical lathe



Finished Processing / 成品加工

CHANGZHOU ZHONGHAI

打磨工人以娴熟的技术和精益求精的态度，
追求如艺术品质般的完美产品。

Grinding worker with excellent attitude always make
every propeller to be a perfect art.



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The quality / 质量

CHANGZHOU ZHONGHAI

质量，贯穿产品从原材料到发运的整个过程，包括售后服务。
 从德国进口的SPECTRO-Mmax光谱分析仪器，精准快速地分析材料成分。
 拉力试验机，冲击试验机，全面检测玻璃钢桨叶材料的机械性能品质。

常州中奇，取得了CCS船级社质量体系认证，通过了ABS、BV、CCS、DNV、KR、LR、GL、NK、RINA、RMRS世界十大船级社认可，以及中国船级社ZC认可。



粗糙度测试 Roughness test



Quality will throughout the product of the entire process from the raw material to the delivery, including after-sales service.

SPECTRO-Mmax analysis instrument imported from Germany test material components. Tensile strength test, impact test are carried out and assures every propeller's material quality. Roughness test is carried out for every propeller.

Our production is under the ISO 9001 quality system. Our factory is qualified by the main classification societies in the world: ABS, BV, CCS, DNV, GL, LR, RINA, KR, NK, RMRS, ZC.



样板检测 Template test



数字动态称量试验 Digital dynamic balance test



机械性能测试 Mechanical properties test



光谱分析 SPECTRO-Mmax

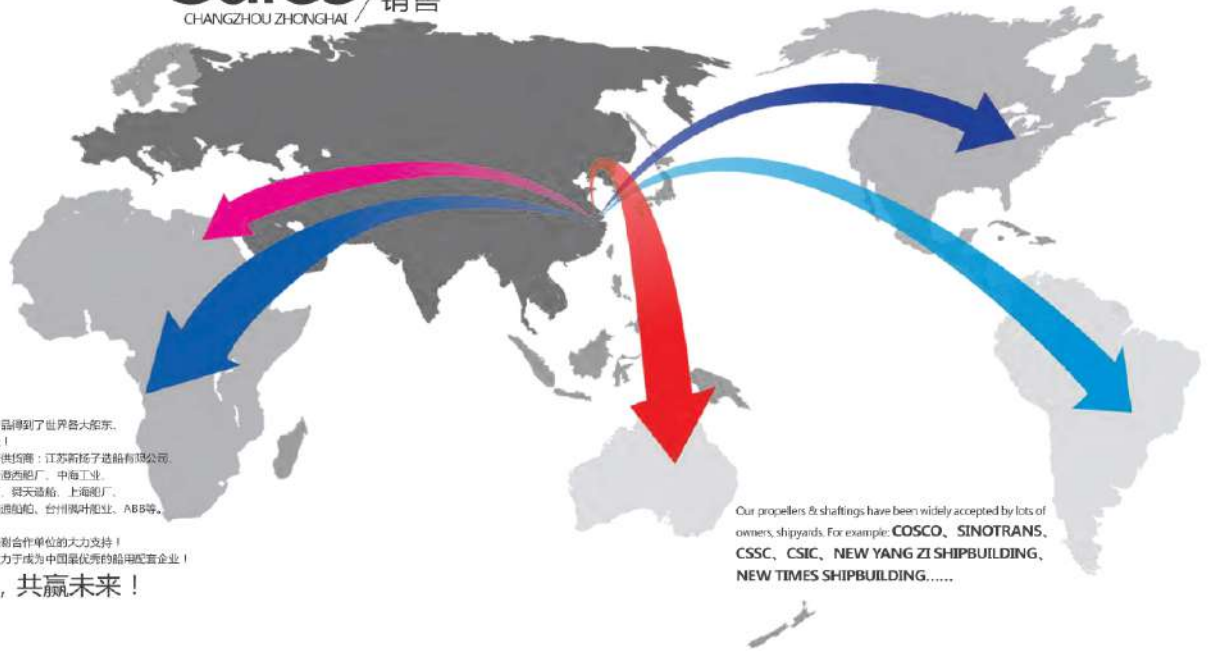


数字静平衡测试 Digital static balance test



Sales / 销售

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多年来，常州中海的产品得到了世界各大船东、船厂的普遍认可和接受！
已成为优质的船用配套供应商：江苏新扬子造船有限公司、江苏新时达造船、中船希腊船厂、中海工业、中国长江南京金陵船厂、镇天船厂、上海船厂、泰州口岸船厂、江苏特德船厂、台州枫叶船业、ABB等。

常州中海一路走来，感谢合作单位的大力支持！
我们将继续努力，致力于成为中国最优秀的船用配套企业！

感恩同行，共赢未来！

Our propellers & shaftings have been widely accepted by lots of owners, shipyards. For example: **COSCO, SINOTRANS, CSSC, CSIC, NEW YANG ZI SHIPBUILDING, NEW TIMES SHIPBUILDING,.....**