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Jingbo Zhao jb.zhao@htisec.com CME 预估 5 月挖机国内销量同增近 19%, 国铁集团发布动车组招标

投资要点:

- 板块表现:从各行业横向比较来看,2024年第21周(2024年5月20日至2024年5月24日),机械设备行业相对沪综指周累计超额收益为负,在所有行业中排名第10,周累计超额收益为-1.17ct。2024年至今机械设备行业年累计超额收益为-10.24pct。
- 锂电设备:特斯拉上海储能超级工厂正式开工; Blue Solutions 公司拟 173 亿元建固态电池厂。1)根据上海临港和中国工业报微信公众号,5 月 23 日下午,特斯拉位于上海临港新片区的特斯拉上海储能超级工厂正式开工。特斯拉上海储能超级工厂的总投资约 14.5 亿元,占地面积约 20 万平方米。工厂预计 2025 年第一季度投产,投产后超大型电化学商用储能系统 Megapack 产量将高达 1 万台,储能规模近 40GWh。2)根据动力电池网微信公众号,Blue Solutions 公司计划在法国阿尔萨斯地区建立一座固态电池工厂,用于生产下一代电动汽车电池。该工厂预计年产能为 25GWh,将吸引超过 22 亿欧元(约合人民币 173 亿元)的投资,并计划在 2030 年正式投产。
- 光伏设备:上周,硅料、硅片、电池片、组件价格环比下降;迈为股份 OLED 激光设备再度中标京东方项目。1)据 Infolink Consulting 微信公众号的数据,上周光伏价格:多晶硅致密料成交价为 41.0 元/公斤,环比下降 2.4%,单晶硅片 182 成交价为 1.250 元/片,环比下降 10.7%,单晶硅片 210 成交价为 1.800 元/片,环比下降 5.3%;单晶 PERC 182 电池片成交价为 0.310 元/W,环比下降 3.1%,单晶 PERC 210 电池片成交价为 0.320 元/W,环比下降 5.9%; TOPCOn182 电池片成交价为 0.310 元/W,环比下降 8.8%; 182 单晶 PERC 组件均价为 0.830 元/W,环比下降 2.4%, 210 单晶 PERC 组件均价为 0.850 元/W,环比下降 2.3%。2)根据迈为股份微信公众号,日前,迈为股份全资子公司迈为技术(珠海)有限公司(简称:迈为技术)中标国内显示面板龙头企业京东方的第6代 AMOLED(柔性)生产线项目,将供应两套 OLED 激光切割(Film Laser Cut)设备及四套 OLED 激光修复设备。
- 工程机械: 庞源租赁指数周线 357, 2024 年 4 月庞源租赁塔吊吨米利用率同比下降; CME 观测 5 月挖掘机国内销量 7700 台左右。1) 根据庞源租赁公众号, 5 月第 3 周庞源租赁指数周线为 357; 其 5 周线、半年线、年线分别为 427、458、501。2) 根据工程机械杂志微信公众号, CME 预估 2024 年 5 月挖掘机(含出口)销量 16200 台左右, 同比增长 5%左右, 市场逐步修复。分市场来看: 国内市场预估销量 7700 台, 同比增长近 19%。出口市场预估销量 8500 台, 同比下降近17%。
- 船舶设备: 2024Q1 我国造船三大指标同步增长。根据中国船舶工业行业协会微信公众号,2024年1-3月,全国造船完工量1235万载重吨,同比+34.7%;新接订单量2414万载重吨,同比+59.0%;截至3月底,手持订单量15404万载重吨,同比+34.5%。1-3月,我国造船完工量/新接订单量/手持订单量以载重吨计分别占全球总量的53.8%/69.6%/56.7%;我国分别有6/5/6家企业进入全球造船完工量、新接订单量和手持订单量的前10强。1-3月,全国造船完工量前10家企业集中度为67.4%,新接订单量前10家企业集中度为67.2%,手持订单量前10家企业集中度为57.0%。

本研究报告由海通国际分销,海通国际是由海通国际研究有限公司,海通证券印度私人有限公司,海国际株式会社和海通国际证券研究团工券成员单位的证券研究证券等组成的全球品牌,海通国际证券等。关于海通国际,请参阅附录。(Please see appendix for English translation of the disclaimer)



- 執交设备:中国通号发布執交市场重要项目中标;时速 160 公里复兴号动车组招标 19 组;中车联合体中标城际轨道交通项目。1)中国通号:根据中国通号 5 月 21 日发布的《关于自愿披露轨道交通市场重要项目中标的公告》,中国通号中标 5 个铁路市场、2 个城轨市场项目,中标金额总计约为人民币 29.78 亿元,约占 2023 年营业收入的 8.05%。2)动车组招标:根据 RT 轨道交通微信公众号,国铁集团 5 月 22 日发布时速 160 公里复兴号动车组招标,本次招标包括时速 160 公里复兴号动力集中动车组(高原型)14 组,时速 160 公里复兴号动力集中动车组长编组 1 列;短编组 4 组。
- 油服设备: 杰瑞与伊拉克石油部所属伊拉克中部石油公司签署气田开发协议。根据杰瑞股份微信公众号,近日,杰瑞集团与伊拉克中部石油公司(MdOC)初步签署开发生产合同,双方将在获得伊拉克及中国相关部门审批后签署正式协议,共同开发曼苏里亚天然气田。MdOC是伊拉克石油部所属国有企业,曼苏里亚气田是伊拉克第二大气田,气田长20公里,宽3-4公里,预估储量高达4.5万亿立方英尺。项目商业生产后,按合同约定,伊拉克石油部将回购所有天然气、液化石油气和凝析油产品,以保证杰瑞预期的成本回收和权益分配。
- 工业气体: 杭氧集团与临港科投公司签订战略合作协议; 广钢气体智能装备制造 基地项目举行开工仪式;液氧均价环比上行,稀有气体周均价环比小降为主。1) 杭氧集团:根据杭氧集团微信公众号,5月17日,杭氧集团与临港科投公司建立 战略合作关系,充分发挥双方在各自领域的优势,在气体服务、医疗健康、电子 特气应用、氢能技术研发等示范应用方面展开合作。2)广钢气体:根据广钢气 体微信公众号,5月16日,广钢气体智能装备制造基地项目举行开工仪式,该项 目由杭州广钢气体公司推进实施建设。杭州广钢气体公司拥有专业的空分工艺技 术设计和装备研发团队。自主研发的"Fast-N"、"Super-N"等系列电子级超高纯制 氮系统, 已正式投运于多个现场, 可稳定生产并持续供应符合电子半导体先进制 程品质要求的 ppb 级超高纯氮气、高纯氧气等,成功填补了国内空白。3)气体 价格:根据卓创资讯工业气体官方微信公众号,截至上周四(5月23日,全国价 格): ①液氧:均价 445 元/吨,环比涨 0.68%,同比降 9%; ②液氮:均价 455.93 元/吨,环比持平,同比跌 23.94%;③液氩:均价 1057.82 元/吨,环比降 1.86%, 同比降 5.46%; (4)管束氦气: 长协客户拿货周均价 102.14 元/立方米, 环比跌 2.72%, 同比跌 57.69%; (5)高纯氦气: 批量 40L 瓶装均价 726.79 元/瓶, 环比跌 2.26%, 同比跌 54.64%; ⑥ 氙气: 均价 39928.57 元/立方米, 环比跌 1.41%, 同 比跌 56.67%; (7) 氪气:均价 400 元/立方米,环比持平,同比跌 61.9%; (8) 氖气: 均价 135 元/立方米, 环比跌 1.56%, 同比跌 70%。
- 机器人: 云深处发布超高扭矩机器人关节; 四川省人工智能研究院人形机器人创新中心启动。1) 根据机器人技术与应用微信公众号, 云深处推出两款经过行业应用实战检验的机器人关节模组, J80 和J100 关节均拥有超高扭矩, 其中, J100 最大转矩高达 315N•m, 已在大型人形机器人上使用, 并作为云深处 X30 四足机器人同款关节, 在规模化应用中得到验证, 将为人形机器人为代表的足式机器人产业发展提供核心动力。2) 根据四川省人工智能研究院微信公众号, 四川省人工智能研究院人形机器人创新中心正式启动。该中心将集中力量进行技术攻关,推动人形机器人的技术创新;推动产学研合作,将高校、科研机构和企业紧密联系起来,通过各方合作,共同攻克技术难题,提高人形机器人的研发效率和质量,加速人形机器人技术的成果转化和产业化进程,培育新的经济增长点,推动相关产业的发展。
- 出口链:上周人民币兑美元汇率小幅贬值。1)上周五美元兑人民币即期汇率为7.24,环比前一周五上升0.28%,欧元兑人民币汇率为7.86,环比上周五上升0.04%。2)上周中国出口集装箱运价指数(CCFI)中,综合指数为1389.16,同比上升47.98%,环比上升5.89%;欧洲航线为2011.53,同比上升75.29%,环比上升9.43%;美东航线为1183.38,同比上升33.66%,环比上升6.97%;美西航线为1077.15,同比上升53.15%,环比上升6.96%;东南亚航线为822.80,同比上升30.50%,环比上升0.37%。

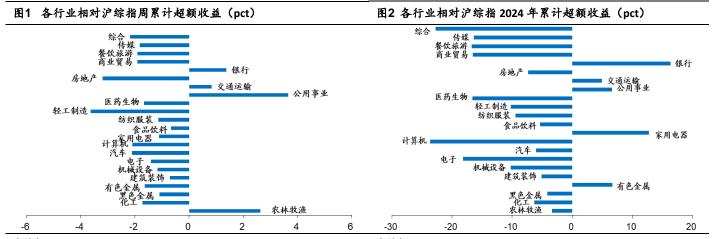


- 本周建议关注标的: 杭氧股份、杰瑞股份、宏华数科、华锐精密、捷佳伟创、双环传动、华中数控、科德数控、恒立液压、三一重工、徐工机械、银都股份、涛涛车业、华测检测、巨星科技、中集集团等。
- 风险提示:固定资产投资放缓、信贷政策收紧、潜在的贸易保护主义等。



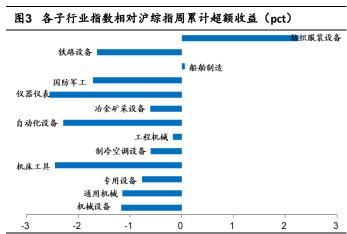
机械行业二级市场表现

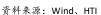
从各行业横向比较来看, 2024 年第 21 周 (2024 年 5 月 20 日至 2024 年 5 月 24 日), 机械设备行业相对沪综指周累计超额收益为负, 在所有行业中排名第 10, 周累计超额收益为-1.17ct。2024 年至今机械设备行业年累计超额收益为-10.24pct。



资料来源: Wind、HTI 资料来源: Wind、HTI

从机械内部子板块来看,2024年第21周(2024年5月20日至2024年5月24日), 机械内部仅纺织服装设备、船舶制造为正值。从2024年累计超额收益看,机械内部仅纺织服装设备、铁路设备、船舶制造、工程机械跑赢大盘。





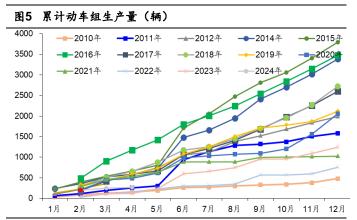


资料来源: Wind、HTI

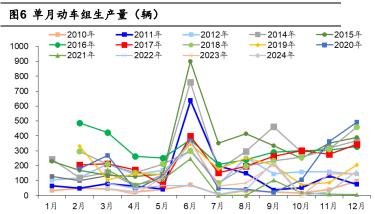


1. 细分子行业数据汇总

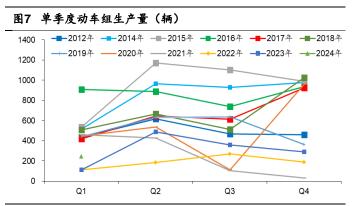
1) 轨道交通设备



资料来源: Wind、国家统计局、HTI



资料来源: Wind、国家统计局、HTI



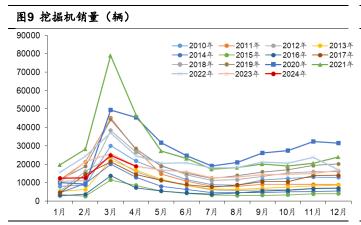
资料来源: Wind、国家统计局、HTI

图8 动车组产量同比



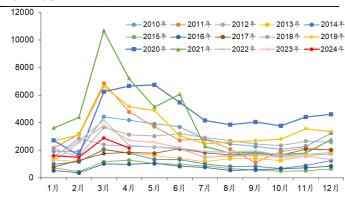
资料来源: Wind、国家统计局、HTI

2) 工程机械

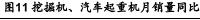


资料来源: Wind、中国工程机械工业协会、HTI

图10 汽车起重机销量 (辆)



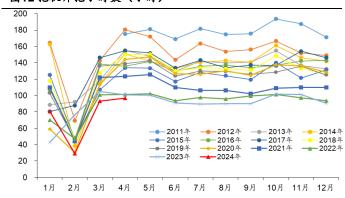
资料来源: Wind、中国工程机械工业协会、HTI





资料来源 Wind、中国工程机械工业协会、HTI

图12 挖机开挖小时数 (小时)



资料来源: Wind、小松官网、HTI

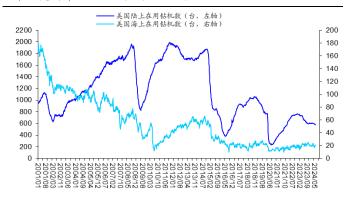
3) 油服装备

图13全球在用钻机数量及布伦特原油均价



资料来源: BakerHughes、Wind、HTI

图14美国海上及陆上在用钻机数量



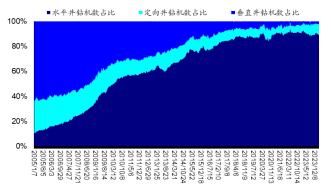
资料来源: BakerHughes、HTI

图15 国际海上及陆上在用钻机量

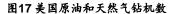


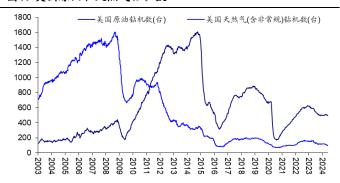
资料来源: BakerHughes、HTI

图16美国各类钻机数占比



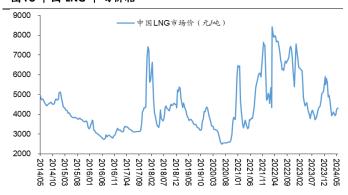
资料来源: BakerHughes、HTI





资料来源: Wind、HTI

图18 中国 LNG 市场价格



资料来源: Wind、HTI

图19中国天然气管道气价格



资料来源: Wind、HTI

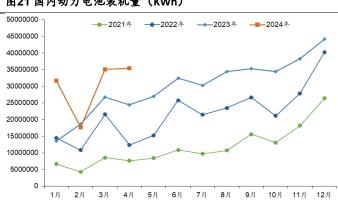
4) 锂电设备

图20新能源汽车产量(辆)



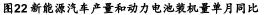
资料来源: Wind、高工锂电、HTI

图21 国内动力电池装机量 (KWh)



资料来源:高工锂电、HTI







资料来源: Wind、高工锂电、HTI

5) 集装箱



资料来源: Wind、HTI

图24 集装箱吞吐量增速

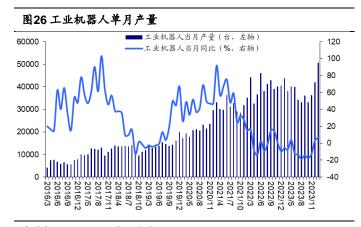


资料来源: Wind、HTI



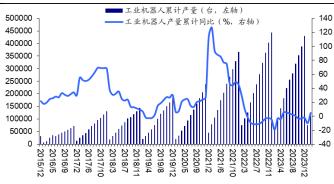
资料来源: Wind、HTI

6) 工业机器人



资料来源: Wind、国家统计局、HTI

图27工业机器人累计产量



资料来源: Wind、国家统计局、HTI

7) 出口链

图28 即期汇率: 美元



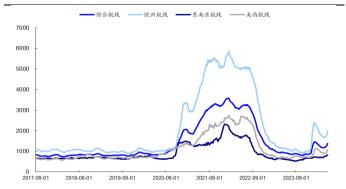
资料来源: Wind、HTI

图29 即期汇率: 欧元



资料来源: Wind、HTI

图30 中国出口集装箱运价指数(CCFI)



资料来源: Wind、HTI

图31 美国制造业消费品存货量



资料来源: Wind、HTI



2. 近期机械行业上市公司限售股解禁情况

表 1 近期机械相关公司限售解禁情况								
代码	简称	解禁日期	解禁数量 (万股)	总股本 (万 股)	解禁前流通 A 股 (万股)	解禁占总股本 (%)	解禁股份类型	
603277.SH	银都股份	2024/5/27	313.90	42064.35	41737.55	0.75	股权激励限售股份	

资料来源: Wind, HTI

3. 风险提示

固定资产投资放缓、信贷政策收紧、潜在的贸易保护主义。



APPENDIX 1

Summary

Investment Highlights: Sector performance: In the 21st week of 2024 (May 20-24), the machinery equipment sector underperformed the Shanghai Composite Index, ranking 10th with a weekly excess return of -1.17%. Year-to-date, the sector's cumulative excess return is -10.24%. Lithium battery equipment: Tesla's Shanghai energy storage gigafactory commenced; Blue Solutions plans a 17.3 billion RMB solid-state battery plant. 1) Tesla's gigafactory, with a 1.45 billion RMB investment, is expected to start production in Q1 2025, aiming for an annual output of 10,000 Megapacks with nearly 40GWh storage capacity. 2) Blue Solutions aims for a 25GWh annual capacity plant in Alsace, France, with a 2.2 billion euro investment, targeting a 2030 start. PV equipment: Last week, prices for silicon materials, wafers, cells, and modules fell; Suzhou Maxwell Technologies won another BOE Technology Group OLED project. 1) Prices dropped for various PV components, with single-crystal PERC 182 cells at 0.310 RMB/W and 210 modules at 0.850 RMB/W. 2) Maxwell Technologies will supply two OLED laser cutting and four laser repair sets for BOE's 6th generation AMOLED line. Construction machinery: The Pangyuan Rental Index was 357 in week 3 of May; CME reports domestic excavator sales around 7,700 units in May. Shipbuilding equipment: In Q1 2024, China's shipbuilding saw simultaneous growth in three key indicators. Completed shipbuilding volume was 12.35 million DWT, new orders 24.14 million DWT, and the order book 154.04 million DWT, representing global market shares of 53.8%, 69.6%, and 56.7%, respectively. Focus on companies like Hangzhou Oxygen Plant Group, Yantai Jereh Oilfield, and Sany Heavy Industry.

Risk Warning: Slowdown in fixed asset investment, tighter credit policies, potential trade protectionism.

附录 APPENDIX

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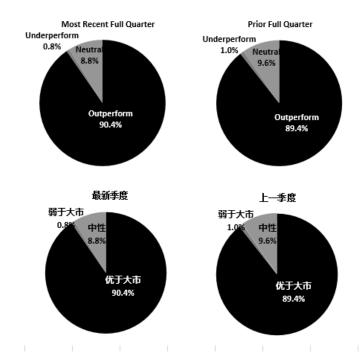
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Neutral (hold) Underper for m

Outperform Ne



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