



ERDTECH Makine Danışmanlık San. Ve Ltd. Şti.

Defense Industry • SES • Construction • Industrial Projects • AI



ABOUT US

ERDTECH Makina Danışmanlık is an engineering-focused company operating in the fields of pile driving machines and custom machinery manufacturing.

We provide our customers with high-performance, durable, and field-tested solutions, enabling projects to be completed faster and more efficiently.



WHAT WE DO ?

- Manufacturing of pile driving machines
- Custom machine design and manufacturing
- Project-specific engineering solutions
- ERP & AI Agent solutions

Industries we serve:

- Solar Energy Systems (SES)
- Construction
- Infrastructure projects
- ERP software development



OUR PRODUCTS & PROJECTS

PILE DRIVING MACHINE

HIGH PERFORMANCE • STRONG STRUCTURE • MAXIMUM EFFICIENCY

PD1000

HIGH PERFORMANCE
PILE DRIVER

TECHNICAL SPECIFICATIONS

	Engine	Yanmar (Stage 3 / Stage 5)
	Hammer Power	1000 Joule
	Hammer Impact Rate	440 - 880 bpm
	Hammer Weight	485 kg
	Hydraulic Oil Tank Capacity	150 L
	Hydraulic Pressure	180 Bar
	Fuel Tank Capacity	50 L
	Max. Pile Height	4500 mm
	Total Weight	4500 kg
	Mast Inclination	+15° / -65°
	Lateral Inclination	+15° / -15°



HIGH IMPACT POWER



PRECISE POSITIONING



HEAVY DUTY
STRUCTURE



EASY TRANSPORT



LOW MAINTENANCE

**PROVEN
PERFORMANCE
IN THE FIELD!**



STANDARD EQUIPMENT

- Lighting System
- Radiator Water Level Sensor
- Hydraulic Tank Oil Level Sensor
- Hydraulic Oil Temperature Sensor
- Safety Valves
- Hydraulic Oil Cooler Radiator
- Hydraulic Pump
- 90 L Toolbox
- Pile Driving Mold (1 Unit / Flat Model)
- Digital Display (Available with Stage 5 Engine Selection)



OPTIONAL EQUIPMENT

- DTH / Rock Drilling System
- Auger
- Remote Control System
- GPS
- Pile Extraction Attachment
- Additional Mold According to Pile Cross-Section
- Mast Height Extension to 3500 mm

APPLICATION AREAS



SOLAR ENERGY
SYSTEMS
(SES)



FENCE & STEEL
STRUCTURE
SYSTEMS



AGRICULTURAL
INSTALLATIONS



INFRASTRUCTURE
& CONSTRUCTION
PROJECTS



FISH GLAZING MACHINE

HIGH PERFORMANCE • HYGIENIC DESIGN • UNIFORM COATING

ERD-FGM FISH GLAZING MACHINE

The ERD-FGM Fish Glazing Machine is designed to coat the surface of fish and seafood products with glaze (ice), helping to preserve product quality, extend shelf life and maintain freshness. It is engineered in accordance with food safety standards.

It uniformly coats the surface of fish and seafood products with glaze (ice), preserving product quality, enhancing freshness and extending shelf life. Designed in accordance with food safety standards.

TECHNICAL SPECIFICATIONS

⚙️	CAPACITY	1000 - 5000 kg/hour
📏	CONVEYOR WIDTH	600 - 1200 mm
📏	MACHINE LENGTH	4000 - 8000 mm
💧	COATING TYPE	Ice Water Spray System
💧	WATER CONSUMPTION	2 - 8 m³/hour
❄️	ICE CONSUMPTION	200 - 800 kg/hour
🚚	CONVEYOR SPEED	0.5 - 5 m/min (Adjustable)
⚡	TOTAL POWER	3 - 15 kW
⚡	OPERATING VOLTAGE	380V / 50Hz / 3 Phase
⚖️	MACHINE WEIGHT	600 - 1800 kg
🔧	MATERIAL	AISI 304 Stainless Steel



FEATURES

- Provides uniform glaze coating for fish and seafood products.
- Protects product quality, extends shelf life and preserves freshness.
- Made of stainless steel for high hygienic standards and long service life.
- Minimizes water and ice consumption.
- Adjustable speed for different coating thickness.
- Easy cleaning and maintenance with removable parts.
- Provides uniform glaze coating for fish and seafood.
- Reduces product loss and extends shelf life.
- Hygienic and durable use with stainless steel body.
- Minimum ice and water consumption with water spray system.
- Adjustable speed for different coating thickness.
- Easy cleaning and maintenance with removable parts.

- UNIFORM COATING
Uniform and consistent coating
- ADJUSTABLE SPEED
Adjustable speed
- STAINLESS STEEL
High quality stainless steel
- WATER & ICE SAVING
Water and ice saving
- EASY CLEANING
Easy to clean
- HIGH EFFICIENCY
High efficiency



APPLICATION AREAS



FISH PROCESSING PLANTS
Fish and seafood processing



FROZEN FOOD PRODUCERS
Frozen food production



FOOD INDUSTRY
Food processing industry



EXPORT & PACKAGING FACILITIES
Export and packaging operations

ERD-MTR

MODULAR TACTICAL TRAILER SYSTEM

NATO COMPLIANT

- NATO standard electrical system
- NATO type connection
- Harsh duty and off-road capability

TECHNICAL SPECIFICATIONS



• GENERAL

Payload capacity: 2000 kg
Towing capacity: 1400 kg
Closed body: Military type



• STRUCTURE

Monoblock steel chassis
Leaf spring suspension
Heavy duty tires



• BRAKING & SAFETY

Mechanical overrun brake system
Hydraulic brake system (optional)
Electric brake system



• DRAWBAR SYSTEM

NATO compliant
Adjustable height



• LEVELING SYSTEM

4 pcs. adjustable support legs
Front support wheel



• WINCH SYSTEMS

250 kg lifting winch (manual)
1 ton pulling capacity

DELIVERY & SUPPORT

- 2 years warranty
- 5 years spare parts support
- Technical documentation package

ERDTECH Tactical Trailer Platform



DESIGNED FOR THE BATTLEFIELD

ERD-MTR is developed to provide reliable mobility and organization for mission-critical equipment in the toughest conditions.

- **Single person operation**
- **Fast communication**
- **Maximum durability**

OPERATIONAL EXCELLENCE

- **MODULAR STRUCTURE**
Modular design for equipment organization
Safe transport in any condition
- **EASY LOADING**
2 heavy duty loading ramps
Single person loading
- **DURABLE BODY**
Monoblock steel body
Epoxy military paint
- **FULLY ENCLOSED SYSTEM**
Waterproof structure
Protection in harsh environments

RELIABILITY & DURABILITY

- Secure rear door locking system
- Unbreakable connection components
- Certified lifetime components
- Epoxy paint coating



PRECISION MANUFACTURING FLAWLESS SOLUTIONS

ERDTECH; hassas talaşlı imalat, test cihazları imalatı, hassas kaynaklı imalat ve otomasyon alt yapı desteği alanlarında yüksek mühendislik kabiliyeti ile hizmet vermektedir.

ERDTECH provides high engineering capability in precision CNC machining, test equipment **manufacturing**, precision welded manufacturing and automation **infrastructure** support.



PRECISION CNC MACHINING

- ✓ CNC turning and vertical machining centers
- ✓ High precision parts
- ✓ Molds, jigs, fixtures and special parts
- ✓ Surface quality and dimensional tolerance guarantee



AUTOMATION INFRASTRUCTURE SUPPORT

- ✓ Machine automation and integration
- ✓ Communication and control systems
- ✓ Electrical panel design and manufacturing
- ✓ Process improvement and efficiency solutions



TEST EQUIPMENT MANUFACTURING

- ✓ Functional and durable test systems
- ✓ Custom designed test fixtures
- ✓ High precision and repeatability



PRECISION WELDED MANUFACTURING

- ✓ MIG / TIG welding applications
- ✓ Stainless steel, aluminum and steel welding
- ✓ High precision assembly with machining accuracy



QUALITY ASSURANCE

- ✓ ISO 9001 quality management system
- ✓ Quality control & measurement instruments
- ✓ Control at every stage, reliability in every product



01

OVERVIEW



We Turn Your ERP Into a Smart Assistant.

AI-Powered ERP Assistant Support

AnalyzeSuggestTake Action



02

PROBLEM

ERP? Yes. But No Intelligence!

Key Challenges Businesses Face:



No Real-Time Data
Data is delayed, reports are outdated.



Hard to Find Issues
It takes too long to detect and solve problems.



Decisions Without Insights
Decisions are based on intuition, not data.



Data Inconsistency & Loss
Data errors, missing entries and inconsistencies occur.

03

SOLUTION

ERP with a Working Mind: AI Agent!

We analyze your data, provide insights and act.



Integrates with your ERP



Analyzes data in real time



Detects risks and recommends in advance



Proactive action suggestions



Automatic reports and email notifications

What can I help you with today?

AI Assistant

3 critical alerts found

- Stock out risk
- Slow inventory turnover
- Production delay risk

Show Action Recommendations

04

PRODUCT

Smart, Fast and User-Friendly



Data Analysis Engine
ERP data analysis, instant reports and alerts.



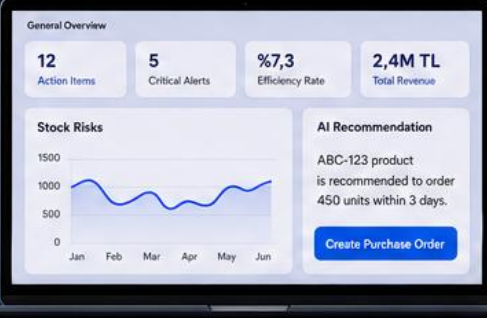
AI Agent
Creates action plans, Provides recommendations, prepares communications.



Automatic Notifications
Email and in-app notifications for critical situations.



Dashboards & Reports
Visual dashboards and reports for better decision-making.



05

VALUE PROPOSITION

Less Load. More Profitability.



Operational Efficiency
%10 - %25 increase in efficiency potential



Cost Reduction
Reduce losses and prevent waste.



Better Cash Flow
Improve cash flow and accelerate collections.



ERP with AI Working Mind
Transform your ERP into a Smart Assistant.

AI Impact
It can increase production efficiency by up to %8 and capacity utilization.

Apply

06

MARKET

A Large and Growing Market



Target Sectors
Manufacturing & Production Machinery, Metal, Automotive, White Goods, Electrical - Electronics, Plastic



Turkish Potential
High digital transformation potential in SMEs.



Global Opportunity
The ERP market is expected to grow to \$100+ billion. AI leads this growth.



07

BUSINESS MODEL

Scalable SaaS Revenue Model

Standard
Monthly / Annual Subscription

- AI Agent
- Dashboards & Reports
- Standard Integration
- Support

Enterprise
Custom Pricing

- Advanced Features
- Multi-ERP Integration
- AI Model Customization
- Priority Support

Additional Revenue Streams

- Implementation & Integration
- AI Model Development
- Consulting Services

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COMPETITORS & DIFFERENTIATION

Competitors

SAPOracleMicrosoft Dynamics 365WorkdayInfor / IFS

Our Differentiation

- Not Just an ERP, an AI Layer
Real-time intelligence on top of existing ERP.
- Action-Oriented Reports
Not just data, actionable insights.
- Fast & Easy to Use
Easy to use, quick to adopt.
- Industry-Specific Production
Solutions tailored to your industry.
- SME-Friendly
Affordable, simple, effective.

09

CURRENT STATUS

MVP Ready, Commercialization in Progress!



MVP developed



ERP integration infrastructure completed



Pilot customer testing in progress



We are preparing to scale with user feedback and references.



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12-MONTH ROADMAP



0 - 3 MONTHS
Commercial Launch

- Core module development
- Initial customer acquisition
- Basic integrations



4 - 6 MONTHS
Growth & Scaling

- Increase customer base
- Add references
- Feature improvements
- ERP integrations



7 - 9 MONTHS
Strengthening in Turkey

- Expand customer base
- Build partnerships
- Global marketing activities



10 - 12 MONTHS
Global Readiness

- International market research
- Establish partnerships
- Global go-to-market plan

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VISION

"Our vision is to build a world where every business is managed by a **Digital Leader** alongside all its operations."



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CONCLUSION

"In the future, businesses won't be run by people, but by **AI-driven systems**."





Let's build the future together!

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TECHNICAL CAPABILITIES

- Hydraulic system design and manufacturing
- Custom project-based machine development
- High durability and field optimization
- Precision machining and welded manufacturing with tight tolerances
- User-friendly design
- Integration with ERP software through AI Agent solutions



WHY ERDTECH ?

- Outstanding price/performance advantage
- More cost-effective compared to competitors
- Fast production and delivery
- Field-tested machines
- Custom solution development for specific projects



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