SECOND DESK

INTERNATIONAL ADVISORY

Industrial machinery

Machine packages for throughput, uptime and safe operation

INDUSTRIAL EQUIPMENT & MACHINERY



AI-generated illustration | not an actual project reference

Product scope and commercial role

TECHNICAL SCOPE

- Production machines
- Forming, handling and assembly equipment
- Custom machine systems

SECOND DESK ROLE

Technical-commercial qualification, market development and manufacturer or partner coordination.



Source: Second Desk website | sector image, not project evidence

Design basis and operating envelope

INPUTS REQUIRED BEFORE A COMPARABLE QUOTATION

- Part/product specification
- Throughput and cycle time
- Duty cycle
- Utilities
- Access and applicable safety requirements

The owner and qualified manufacturer confirm operating conditions and applicable design basis before engineering release.

Engineering and component selection

DESIGN REVIEW POINTS

- Drive sizing
- Machine stiffness
- Tooling interface
- Guarding and risk assessment
- Maintenance access

Selection trade-off

Throughput claims should specify material, takt and changeover assumptions. Establish tolerances, cycle conditions and validation method.

Project drawings, tolerances and design details remain subject to the responsible supplier or engineer.

Representative technical section



AI-generated technical concept | not to scale or for fabrication

DETAILS TO CONFIRM WITH QUALIFIED SUPPLIER

- Drive sizing
- Machine stiffness
- Tooling interface
- Guarding and risk assessment

Confirm the actual construction and dimensions from controlled supplier drawings or approved samples.

Representative functional arrangement

Conceptual sequence for technical discussion. Actual layout and interfaces depend on the approved specification.



Input boundary

Part/product specification / Throughput and cycle time

Operating and output boundary

Cycle time / Product quality

Fabrication and assembly sequence



AI-generated manufacturing scene, illustrative only

TYPICAL CONTROLLED WORKFLOW

01 Frame and precision machining

02 Assembly

03 Drive and sensor installation

04 Electrical wiring

Inspection and quality control

TYPICAL QUALITY CONTROL POINTS

01 Geometry checks

02 Critical torque records

03 I/O and safety-function verification

04 Dry run



AI-generated sector inspection scene; illustrative only

Inspection methods, sampling, hold points and sign-off depend on the order and approved quality plan.

Factory acceptance and site acceptance

FAT / manufacturing release

- Geometry checks
- Critical torque records
- I/O and safety-function verification
- Dry run

SAT / performance verification

- Cycle time
- Product quality
- Repeatability
- Safety functions and operator training

Agree test conditions, tolerances, witness authority and punch-list closeout before testing. SAT is distinct from factory release.

Site integration and commissioning readiness



AI-generated application scene; illustrative only

SITE PREREQUISITES

01 Position and level

02 Connect utilities

03 Verify guards and controls

04 Trial material under competent supervision

Packing, logistics and delivery

PRODUCT-SPECIFIC PACKING CHECKS

01 Secure moving parts

02 Protect controls

03 Rust-prevention

04 Tooling and spare-parts inventory

Define the Incoterms® rule, named place, export documents, insurance responsibilities and site receipt process in the commercial agreement.



AI-generated logistics scene; illustrative only

Technical and commercial risk review

Review machine risk assessment, guarding, safe states, availability of tooling and spare parts.

Design compliance

Compare the same data sheets, duty and explicitly agreed exclusions.

Technical evidence

Request relevant engineering documents, inspection plan and test records.

Execution risk

Check site access, spares, service scope and the manufacturer's support plan.

Responsibilities across the supply chain

OWNER / EPC	SECOND DESK	MANUFACTURER / CONTRACTOR
Defines duty, project constraints, site interfaces and acceptance authority.	Clarifies the opportunity, identifies suitable suppliers and coordinates technical-commercial communication.	Owns engineering, production, testing, guarantees, site execution and contractual obligations as agreed.

Supplier names, manufacturing capability, certificates, references and country-specific approvals are verified for each enquiry; no standing partner or factory is implied.

RFQ and evidence package

01	**Technical definition**	Duty and design basis, data sheets, scope boundaries and tie-in information.
02	**Supplier evidence**	Capability, drawings, applicable compliance, inspection plan and relevant references.
03	**Commercial offer**	Scope and exclusions, lead time, payment, Incoterms® rule, optional services.
04	**Handover plan**	FAT/SAT where applicable, documentation, spares, training and after-sales.

SECOND DESK

INTERNATIONAL ADVISORY

Discuss your next requirement

Share the application, target market or project, technical specification and expected delivery scope.

seconddeskinternational.com

Contact form: seconddeskinternational.com/#contact | Denizli, Türkiye | Meetings by appointment

SOURCE AND EVIDENCE NOTES

Second Desk sector page • ISO 12100: machinery risk assessment and reduction • ICC Incoterms® guidance

Visuals: generated sector illustrations and Second Desk website imagery. Project provenance, supplier capabilities and certification remain unverified unless separately confirmed.