



NEXORA
MES

SMART MANUFACTURING PLATFORM 5.0



NEXORA · NEXT · ORA

FROM ORDER TO MACHINE

Industrial catalog · CNC job shops & discrete manufacturing

The next industrial evolution, available now. One governed intelligent flow for business, engineering, shop floor, CNC and quality.

DISCONSULT SHPK

NEX

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SHOP REALITY

The workshop problem

In many plants the commercial order sits in ERP, cycles live in spreadsheets, drawings travel as PDF, geometry arrives as STEP, toolpaths stay inside CAM, and NC programs end up on the controller with weak ownership.

A typical job still crosses too many formats: ERP order, Excel cycle, PDF drawing, STEP model, CAM package, USB or network copy of the NC, verbal notes at the machine. Every handoff can lose the revision, the owner, or the reason a change was made.

Without one governed chain, engineering and production stop belonging to the same story. Traceability becomes reconstruction after the fact instead of a native property of the job.

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- Broken handoffs between office and bay
- Missing digital thread on the produced part
- Informal NC copies and undocumented swaps
- Revision control that dies at the machine door
- Knowledge trapped in people and local folders



NAME AND INTENT

NEXT · ORA — what NEXORA means

NEXORA comes from NEXT and ORA: the next evolution of industry, made concrete and usable today — not a distant promise.

NEXORA Platform is a modular industrial ecosystem designed to connect work that today lives in separate software, Excel, PDF, local archives, CAD/CAM, CNC and manual procedures — inside one governed flow.

The operating principle is one sentence: From order to machine. One intelligent flow. The platform accompanies the company process from customer inquiry to technical article, planning, production, quality, documents and machine connectivity.

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- NEXT · ORA: next industrial evolution, now
- Modular ecosystem, one governed identity
- From customer relationship to CNC machine
- Continuity instead of information breaks



NEXORA PLATFORM

One industrial platform

Business, engineering, manufacturing, connectivity, quality and knowledge share one system identity. Each domain has its control surface, but the plant does not restart the story at every desk.

NEXORA can analyze context and propose assisted actions. Authorized users validate what matters. The platform then governs the accepted state.

There is no unsupervised plant control and no promise of autonomous factory decisions. People keep authority; the platform keeps coherence.

NEXORA · NEXT · ORA

- Business · Engineering · Manufacturing
- Connectivity · Quality · Knowledge
- Propose !' validate !' govern
- One industrial identity for job and part

Not only software

NEXORA is not conceived as a simple application to install, but as a complete industrial environment: configured hardware, governed OS and central services, business and production modules, CAD/CAM and CNC tools, centralized technical storage, security and roles, intelligent support functions, and clients for offices, bays and stations.

It can be delivered as a preconfigured industrial system ready to connect offices, departments, operators, documents, processes and machines.

The goal is not to replace every existing tool blindly, but to remove information interruptions between one activity and the next — creating continuity, control and traceability.

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- Hardware, OS and governed central services
- Modules, CAD/CAM, CNC and technical storage
- Security, roles and intelligent support
- Office, bay and station clients on one identity

Digital thread

One chain keeps ownership and release visible: customer !' request !' quote !' job !' technical article !' documents/CAD !' validation !' process !' planning !' production !' quality !' NC !' machine !' progress !' analysis.

Each step uses information already produced by the previous one. That reduces duplication, manual re-entry, transcription errors, outdated documents, office/shop misalignment and programs sent to the wrong machine.

Documents, programs and records keep ownership, version and release status. The accepted state is what production is allowed to use.

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- Demand !' engineering !' execution !' evidence
- Release is a governed act, not a casual export
- Less duplication and wrong revisions
- Less dependency on undocumented knowledge

CORE and GEST

NEXORA CORE is the nucleus: catalogs, relationships, rules, versions, audit, identity, roles and operational knowledge. Modules do not run as isolated apps — they use shared, coherent, controlled data.

NEXORA GEST covers the commercial and organizational layer: CRM and customers, opportunities, quotations, jobs, technical articles, materials and resources, people and skills, sites and departments, procurement, configuration, users and authorizations.

From GEST the flow that carries a customer request into technical and production preparation begins — still on the same industrial identity.

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- CORE: registry, rules, versions, audit, identity
- GEST: customers, quotes, jobs, articles, resources
- Shared data instead of parallel applications
- Commercial demand linked to technical preparation

NEXORA MES — bay execution

MES / PROD is the operational heart of production. It turns the acquired order into planned, controlled and traceable activity: acceptance, technical readiness checks, routings, scheduling, machine and resource assignment, operator console, phase progress, calendar, production warehouse, line materials, BOMs and assembly, downtime, scrap and nonconformities, reports and history.

Every progress event can be linked to the order, article, machine, operator and documents in use.

Operators and shop-floor terminals work inside the execution context of the released package — not from a parallel unofficial list.

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- Orders, routing, planning and machine assignment
- Progress linked to job, article and documents
- Downtime, scrap and history on the same thread
- People and stations in one execution context



GEOMETRY TO THE MACHINE

CAD/CAM · CAM · NC Connect

CAD/CAM connects technical definition to production preparation: STEP from storage, preview and analysis, CAD sessions, B-Rep geometry, features, stock and references, technical routing, CAD package, validation and publication toward PROD. It analyzes and proposes — it does not silently rewrite the process without user control.

CAM covers setup, machine profiles, tools, turning and milling operations, strategies, technological parameters, toolpath generation, postprocessor, manufacturing package and NC preparation.

NC Connect manages governed device registry, machine profiles, compatibility, transfer of NC programs, diagnostics and history. The program is associated with the correct machine and transferred through a governed workflow.

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- CAD/CAM: geometry to process intent under validation
- CAM: smart assistance without losing operator control
- NC Connect: correct machine, verified transfer
- No informal copies as the path of record



TECHNICAL MEMORY AND EVIDENCE

Documents, quality, OEE

Data Storage and Documents are the technical memory of the platform: drawings and PDF, STEP models, commercial and production documents, NC programs, technical packages, versions, previews, categories and tags, search, links to articles, customers, jobs and orders, document workflows and revision history.

Files do not remain scattered on personal computers — they become part of the company process.

Quality, OEE, ISO-oriented control and maintenance connect process control with performance and compliance: inspections, nonconformities, scrap, CAPA, KPI/OEE, downtime analysis, operational maintenance, audit and risk — tied to real process events.

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- Centralized technical files with versions and links
- Quality on the thread of the produced part
- OEE and downtime without invented KPI claims
- Compliance linked to real production events



PROPOSE !' VALIDATE !' GOVERN

Smart DNA, human authority

NEXORA intelligence gathers data, analyzes documents and geometries, compares information, finds inconsistencies and proposes solutions — for drawings, OCR/extraction of dimensions and tolerances, article completeness, suggested phases, setup and machine proposals, revision comparison, cycle preparation, downtime/scrap analysis, knowledge search and reports.

The fundamental rule: the platform proposes; the authorized user verifies and validates; only after validation does the data become governed.

AI does not replace technical responsibility. It amplifies it with more complete, coherent and immediately usable information.

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- Assisted analysis of documents and geometry
- Suggestions for process, setup and operations
- Validation remains with authorized people
- No unsupervised plant control



WHO NEXORA IS FOR

Built for mechanical workshops

The modular architecture adapts to different production realities: mechanical workshops, CNC turning and milling, fabrication, assembly, make-to-order, industrial maintenance, dimensional control and metrology, special machining, series production, automated lines, and companies with strong quality and traceability needs.

It especially serves SMEs that want to digitize without fragmenting processes further. Each company can activate the modules it needs while keeping one identity, one foundation and one data-governance logic.

No invented customers, installations, ROI figures, certifications or testimonials in this public catalog.

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- CNC job shops with mixed work and changeovers
- Turning, milling, fabrication and assembly
- Traceability-driven and quality-driven plants
- SMEs seeking continuity without tool sprawl



ONE INDUSTRIAL ORGANISM

What makes NEXORA different

The difference is not the number of modules — it is how they collaborate. NEXORA is built to unite business, engineering and production; connect data, people, documents and machines; keep people at the center of decisions; govern important information with versions and responsibility; reduce parallel systems; and turn operator knowledge into a company asset.

It offers continuity from order to buy execution and makes industrial innovation accessible also to small and medium manufacturers.

NEXORA Platform is therefore a new model of industrial infrastructure: not a pile of separate apps, but one modular, intelligent digital organism built around real company processes.

NEXORA · NEXT · ORA

- Unite management, engineering and production
- Govern versions and responsibility
- Keep humans in the validation loop
- NEXT · ORA — the next industrial evolution. Now.



See NEXORA on a real manufacturing workflow

CONTACTS

Request a technical demo. DISCONSULT SHPK presents NEXORA PLATFORM for industrial manufacturing audiences — CNC job shops, discrete production and plants that need a governed path from order to machine.

NEXORA PLATFORM

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