



atmos

WEB BASED HMI

*"You build your application,
we make it attractive."*

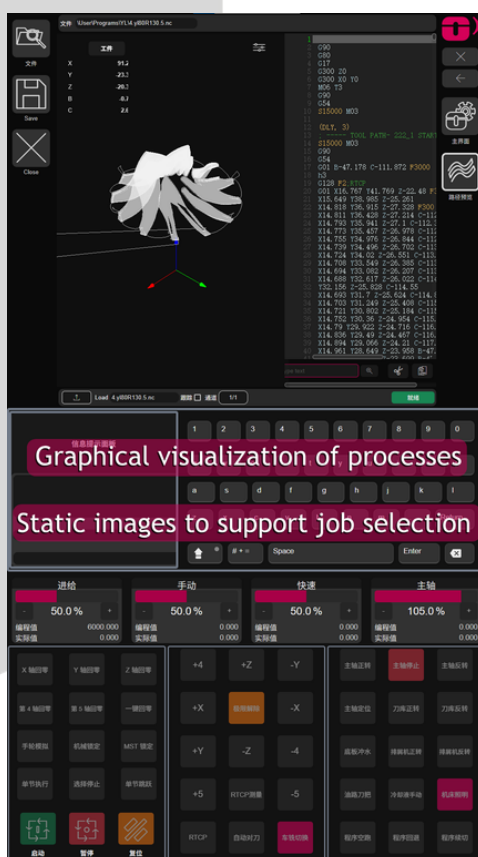
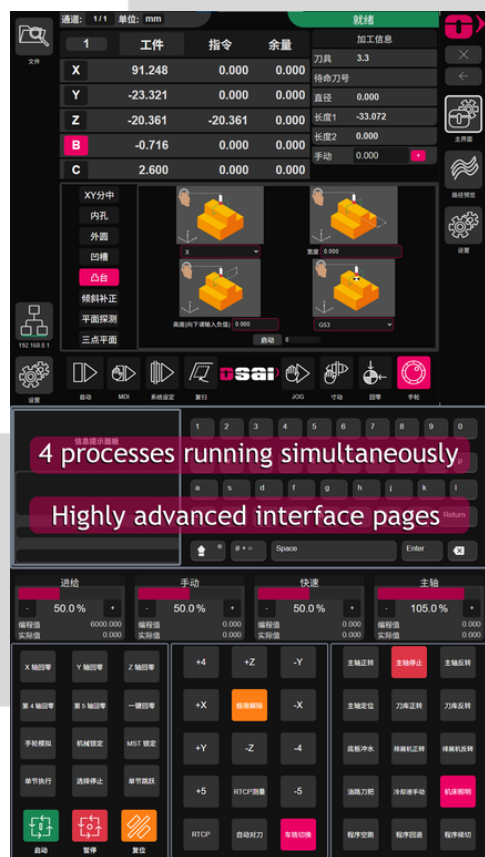
**Advanced Tool
for Multi Operating Systems**

Feature Overview

ATMOS, OSAI's new HMI, provides a **modern**, **accessible**, **scalable**, and **future-ready** web platform.

ATMOS offers several competitive advantages, including:

- ➔ Reduced installation and maintenance **costs**
- ➔ Greater hardware and software **flexibility**
- ➔ Modern and **scalable system**
- ➔ Improved **user experience**
- ➔ **Easy integration** with external systems



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osai
COMPUTER NUMERICAL CONTROL

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General Features

Web-based

Browser-based access with no client installation required

Multi-platform

Windows (x64) and Linux (x64, ARM64) support. Greater hardware flexibility and cost reduction

Multi-device access

Usable from PCs, HMIs, tablets, and remote workstations

Modular architecture

Scalable system with independent, easily extensible applications

OEM/USER separation

Separate environments for machine builder and operator: greater security and control

User management

Access control by level and user: UI customization and security

URL-based navigation

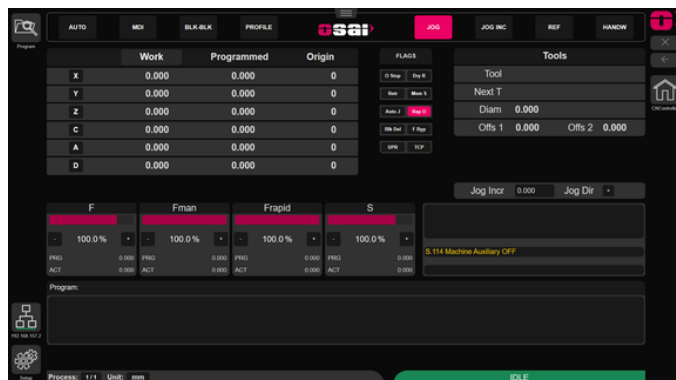
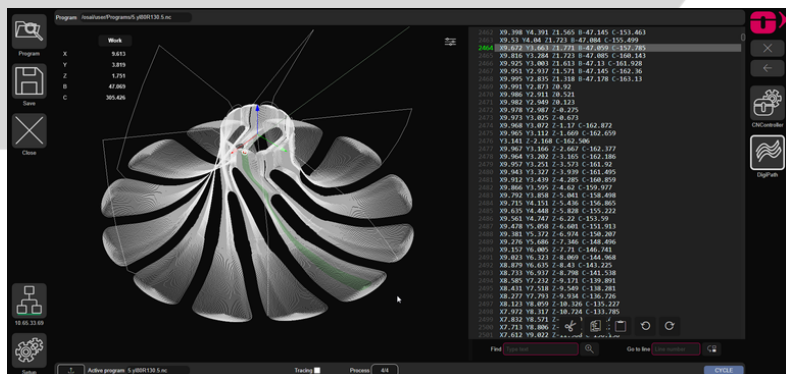
Direct access to specific pages via browser

Command Line (CLI)

Advanced automation: app launch, CNC management, files, popups, and recipes. For simple integration with external software such as CAD/CAM systems

Improved performance

Optimized CNC data access and reduced CPU load



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Architecture

ATMOS is a set of applications designed with a clear separation between machine operation by the end user and development by the OEM. This is reflected in the availability of two operating and development environments:

ATMOSuser

Operating environment for the end user. Fully replaces the legacy ProcessController, BootController, TableEditor, IsoView, and TextEditor applications.

ATMOSoem

Environment for the machine builder for UI development and configuration.

Pages can be created without accessing the user pages.

APPLICATION	ENVIRONMENT	DESCRIPTION
BOOTER	ATMOSuser	System startup and CNC mode management
CNCONTROLLER		Machine control and display of custom pages
SYSTEMJOURNAL		Event and log monitoring for diagnostics
FILE EDITOR ★		Integrated editor with search, undo/redo, and CNC file management
TECHNOLAB		CNC table management (tools, offsets, work origins)
DIGIPATH ★*		View and editing of part program in a single application with real-time tracking. Able to display graphically part programs that are not active.
VARMaster ★	ATMOSoem	Configure variables with ease.
PAGEBUILDER		Construct the machine operating dashboards.

★ These applications are new features that were not available WinNBI

* DigiPath is temporarily not available on Linux