

# RX-Lab Software

RX-Server-AF, RXpert, Toro-X-Server,  
Edge-Server, i-FLEX-Server

Manages process data for production of RX lenses,  
incl. free-form; communicates with surfacing & finishing  
equipment; modular, configurable system.

**satisloh**

**RX-Server Software** – automatically handles all process data between host computer, surfacing & finishing machines.



## RX-Lab Software Modular Windows™ based software system

RXpert calculates backside spheric/toric lenses; RX-Server-AF, Toro-X-Server & i-FLEX-Server administrate & transmit data to surfacing machines; Edge-Server handles the data flow between finishing equipment.

### **RXpert and RX-Shape, RX-Ticket**

- Calculates all processing data for backside spheric/toric RX lenses based on selected lens blank data from integrated database.
- Calculates optimum edge thickness
- Select bar code job ticket layouts from various options
- Displays results graphically with shape edge data
- Includes comprehensive, easy to use data base for semi-finished blank data with most progressive blanks; offers full network capabilities.
- Interface to RX-Server-AF and data transfer from host computer
- Calculates set-ups for soft or hard tool polishing
- Checks tool availability for calculated data (hard tool polishing only)
- Lens thickness optimization according to frame shape. Import frame data e.g. via **RX-Shape** (optional)

- Individually design job tickets with **RX-Ticket** (optional available for RXpert 2.0 or higher)

### **Your benefits**

- Clear 3-D graphical results of all calculations and thickness curves
- Customizable screen layout: display one or two lenses
- Marking of left/right lens, choose from different bar codes
- Easily detect shapes of demo lenses, shape disks or sketches with **RX-Shape** (optional). Shape data can be used to calculate center thickness optimized lenses by RXpert.
- Individually design job tickets with **RX-Ticket** (optional)

## Toro-X-Server, Edge-Server, i-FLEX-Server

These software modules automate your conventional production processes. Administrate and automatically transfer process parameters.

- Toro-X-Server connects to Toro-X-2SL machines
- Edge-Server: A manufacturer independent finishing lab software; connects and controls complete data flow in a finishing lab. Links to edgers, tracers, blockers, printers and drilling devices (see separate list of supported devices)
- i-FLEX-Server: converts RX surfacing data to optimum process parameters and sends optimum settings to Satisloh's flexible tool polishers

## RX-Server-AF – All-Format server software

Data management system for All-Format lens processing. The features:

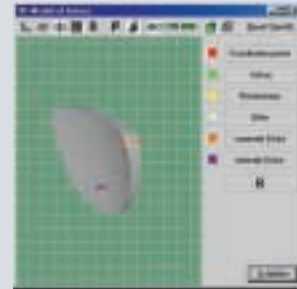
- Open platform for free-form lens manufacturing with interfaces to external, third party design calculation software
- Administrates job data for conventional AND for free-form lens processing in a RX lab
- Imports and handles All-Format process data
- Even handles encrypted data files, decryption by machine
- Automatically transfers calculated process data to Satisloh blockers, generators and engravers via TCP/IP or serial port (see separate list of supported devices)
- Interfaces with RXpert calculation module for backside spheric/toric lenses and Edge-Server module

## Benefits of the Server software modules

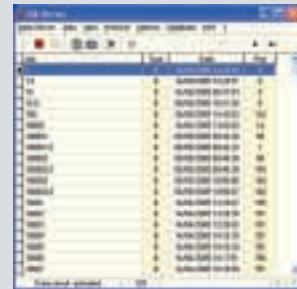
- Automatic data transfer of optimum process parameters saves time and minimizes manual errors
- Optimum control of process steps
- Customized configuration due to modular approach
- High transparency plus flexibility – process overview plus manual intervention at any time if needed
- High capacity data base handles a huge number of jobs
- Fast data transfer: up to 38.4 Kbaud via RS232 or TCP/IP
- Easy to use with Windows™, easy data management
- Connect high number of machines (see "Technical information")
- Remote diagnosis via modem (optional)
- High data safety by two exchangeable disks
- Easy integration with other processing systems



RXpert, an optional RXpert module, import lens shapes utilizing WACOMs digitizer tablet



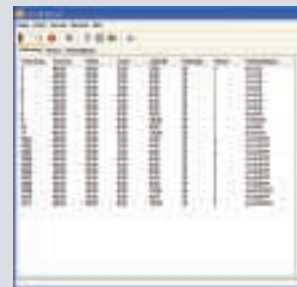
RXpert calculates all process data for toric / spheric lenses



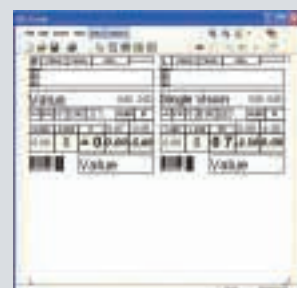
RX-Server-AF administrates and transmits toric / spheric and free-form lens data to blockers, generators and engravers



Edge-Server software connects to a vast variety of finishing devices



i-FLEX-Server manages process parameters of Satisloh soft tool



Individually design job tickets with RX-Ticket (optional available for RXpert 2.0 or higher)

## Technical Information:

### System Requirements

Industrially suited PC with Intel Pentium III / Celeron Processor, 1 GHz, 256 MB RAM, free memory space on hard disk approx. 500 MB, 2 exchangeable hard disks recommended each 10 GB, CD-ROM drive, VGA monitor 17", modem card: 56 K Baud, 3-D graphic board 32 MB (open GL ability)

- Operating system: Windows™, 2000, XP or NT 4.0
- Borland Interbase Data base
- Interfaces:
  - Data transfer via VCA standard or Satisloh interface
  - Machine interface: RS232, TTY or TCP/IP
  - host connection via TCP/IP (rxnetaccess.DLL) or file transfer

### RX-Server

- Distribution card: up to 16 machines, extendable up to 32

### Toro-X-Server

- Distribution card: up to 7 machines, extendable up to 70
- **Connection to RX-Server** via RS232 or both jointly on one PC

### Edge-Server

All connected devices and machines need to be compatible to Edge-Server (compatibility check by Satisloh).

For each machine/device the Edge-Server needs a serial interface.

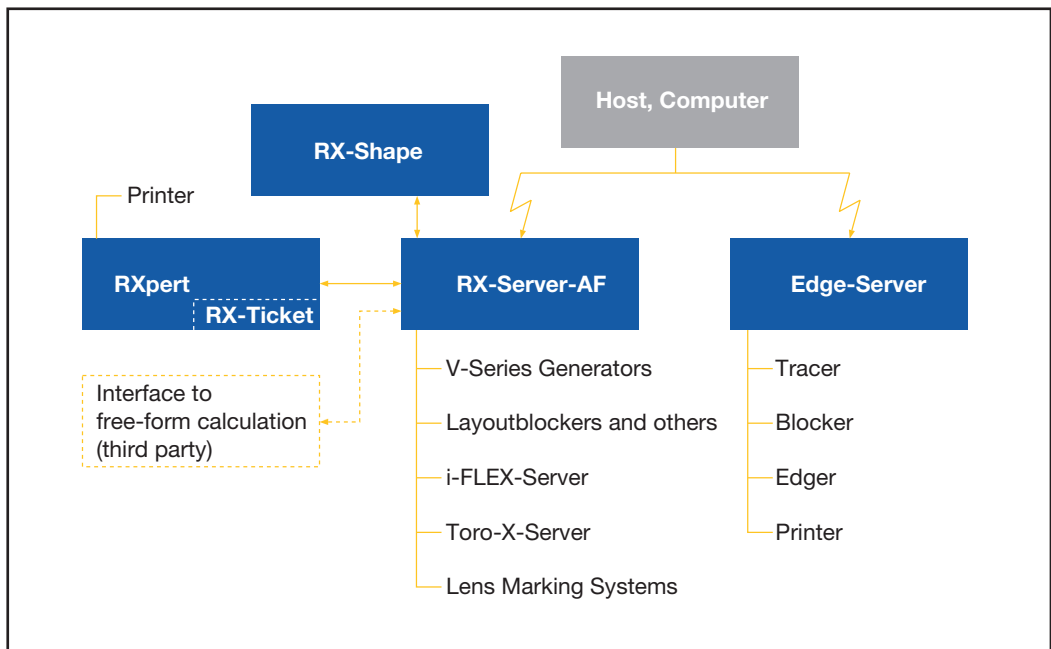
- Connects up to 10 finishing machines/devices

### i-FLEX-Server

- up to 6 machines

### Update Service

Benefit from Satisloh's update service for all software modules in order to work with the newest versions at all times. Please contact your local Satisloh representative for further information.



# Data

