| PRODUCT CATEGORY | Wheel Aligners |
| --- | --- |
| BRAND | Hofmann |
| MODEL | geoliner®678 |
| DATE RELEASED | September, 2020 |
| REVISION | Release 2 – October, 2020 |
| PRODUCT MANAGER | Jordan Krebs |

*geoliner® 678 Wheel Alignment System*

**N**ew **P**roduct **R**elease

# *geoliner® 678*

- Fast
  - Audit mode included
  - Live adjustment response
  - No-stops compensation
  - Compensate and alert to get it right the first time
  - Intelligent processes minimize workflow
- Flexible
  - Optional mobility kit
- Connected
  - Up to the minute expert information and specs
  - Remote access repair and software update

# *Index*

# *VALUE PROPOSITION*

# *Fast and Flexible*

- **Next Generation UI optimized for the high volume customer**
  - Intelligent predictive alignment flow provides only the steps you need
  - One-click away design insure expert information is easily avaible

- **New Processing Architecture**
  - Roll back with no stops provides Faster time to readings
  - Improved system response  creates user confidence
  - Diagnostic alignment with "compensate, warn, alert" intervention gets it right the first time.
  - Secondary screen available with the "MyAligner" app on supported tablets though a shop network
  - System automatically raises and lowers to track the rack

- **Unique camera beam configuration**
  - Up to 3,8 m network cable between beam and cabinet with independent power
  - Optional mobility base for beam allow beam and cabinet to roll around together

- **Proven XD camera technology**
  - High accuracy and reliability
  - Out of the box accuracy - No calibration required
  - AC400 wheel clamp support

# *Audit Mode – Improve Alignment Sales*

Two aligners in one: Audit and Align with the same unit!

- Improve productivity: no need to change bays for a faster customer turnover
- Audit flow allows user to compensate a vehicle and receive a printout in less than a minute
    - Enable Audit Flow->Attach Clamps->Select Vehicle->Compensate Vehicle->Print results for customer
- Printout gives Camber, Total Toe, and Thrust angles for the customer's vehicle and recommends whether or not an alignment is needed
- Audit every vehicle that comes in for service to improve alignment sales, most customers do not know their vehicle is out of alignment
- Shop owners who offer free audits report consistent improvements to alignment sales

# Next Generation Aligner Software

- **Designed, ground up, to provide the fastest error free experience possible**

- **New notification system provides critical information without getting in the way**

- **Ground breaking user interface provides instant access to critical tasks**

- **Intelligent flow make sure vehicle specific help is only one click away**

- **Optimized Vehicle selection process with:**
  - Quick History access right on the home screen
  - Customer name and license search
  - Clear and comprehensive year/make/model/selection
  - Quick model search

- **Quick select language support for procedures and printouts allow rapid changes between commonly used languages**

- **All new graphic displays with all screens optimized for visibility and clarity**

- **Audit mode allows a quick alignment check on the same aligner**
  - Quickly change between audit and alignment mode if customer wishes to purchase an alignment

# *The Cloud Services*

- Cloud storage for repair systems, reports and images
  - Improves ability to share results
  - Allows printing to any printer
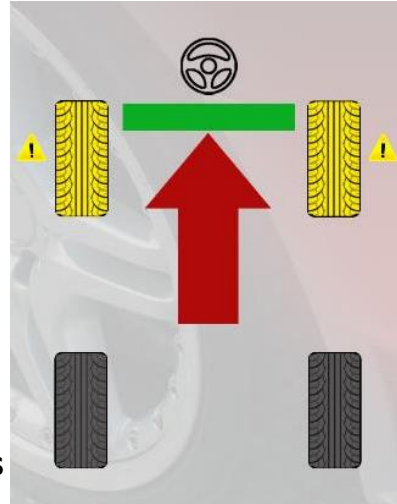  - Attaches to work orders

# *Fast – Easy - Right*

!  The system measured a change in suspension angles during compensation. Please jounce the suspension and perform compensate again.

*i*  The system measured and compensated for an inconsistent rolling surface during compensation.
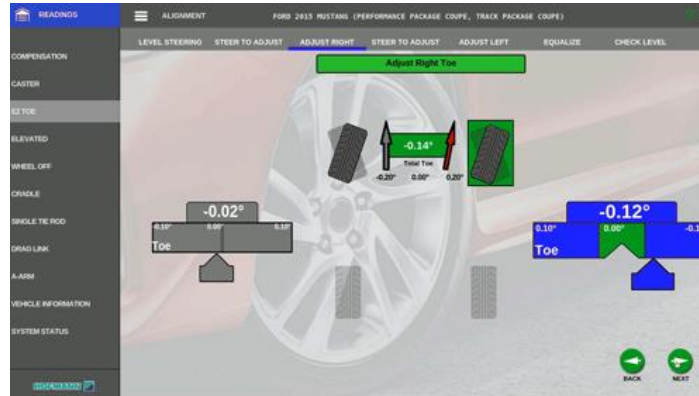
- **New roll back compensation with no stops**
    - Fastest Rollback on the market
    - No stops means no holding the vehicle still, providing easy repeatable results
    - Video speed imaging, monitors the car during the full roll to catch, remove, and notify of vehicle problems, ensuring alignments are right the first time
- **No stops caster sweep is also provided**

# *Getting it right the first time*



Compensate → Warn → Alert

- **Video speed cameras and advanced monitoring algorithms find errors as they are made**
- **Three levels of intervention stay out of the way while providing critical information**
  - Compensate – error is completely compensated with no notification to the user
  - Warn – error is completely compensated and user is warned that repair is needed
  - Alert – Critical error leading to a bad alignment is detected so notification corrective action is required
- **System detects problems with suspension stress and damage, rack, clamps, environment, and more**
- **Corrective actions are identified and displayed**
- **Additional information is always one quick away**

# *Up front information saves time*



- **New specification preview provides critical information before the work begins**

  - Additional parts needed to repair
  - Loading Information
  - Special procedures are listed
  - Specification overview

  - Notify customer and prevent lost work
  - Save time by having all parts on hand
  - Up front info without popups
  - Inform customer up front of extra work
  - Planning work saves time

# *Designed for a connected world*

- **Wireless connection is integrated into the Unit and provides:**
  - **Connection between the aligner and the viewing device**
  - **No cables to the Kiosk**
  - **Remote display can be any tablet that supports the "MyAligner" app**
    - Check the app store requirements
  - **Product registration and feature activation management**
  - **Automatic software and specifications updates**
  - **If you have a subscription specs update automatically**
  - **Adjustment videos and help screens are available whether or not the aligner is connected to a network**
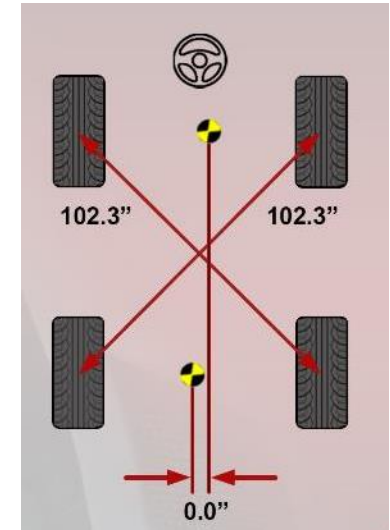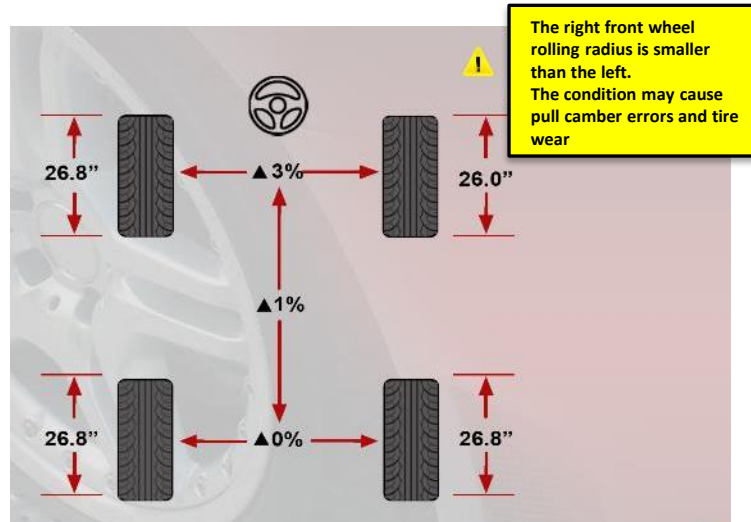  - **Comprehensive network configuration tools**

# geoliner® 678 Software Features at release

- Manual Ride Height
- AC200 and AC400 clamps
- Audit mode
- Wheel Off Mode
- Secondary screen with "MyAligner" app
- Rolling radius
- Rolling TST – no TID clamp calibration required
- Warnings
  - Suspension Change
  - Rolling Inconsistently
  - Improperly locked / unlocked turn and slip plate
  - Wheel clamp removed
  - Caster without brake pedal depressor
  - Worn / loose suspension components
- Auto Tracking
- Dynamic Vehicle Specs (RH, Frame Angle Modified)
- Custom Vehicle Specifications
- Customer Database Import/Export/Sharing
- EZ-Toe
- Roll Forward & Split Positioning Sequence
- Elevated Camber, Toe

- Toe Out on Turns
- Two-Wheel Alignment
- Internet Updatable Software, Firmware, Specs
- Dashboard App Development
- System Test page with help guide
- Network Test page with help guide
- Legacy Integrated Help System (PDF format)
- Legacy 3-D Animations (Vehicle assistance)
- Legacy Tools, Parts & Adjustment Instructions
- Calibration History
- Wifi Troubleshooting
- Romess Inclinometer
- Localization Solution
- Fast System Start-up
- Factory Security Implementation
- Field Security Implementation

# *Self-Centering Clamp Design*

- Continues to deliver patented measurements the competitors can not
  - Cross diagonal – indicates collision damage
  - Rolling radius – indicates mismatch tire sizes with automatic notification



The right front wheel rolling radius is smaller than the left.
The condition may cause pull camber errors and tire wear

# *Pointer Target and Manuel Ride Height*

- System supports measurement of ride height with TIP target pointer target.
  - The TIP target can be used to measure vehicles that require distance from the fender well to some point other than the center of the rim like the rack surface.

- Manual entry of ride height is also supported

OR

# XD Targets - Smaller, Lighter, Take Less Space

- Improved high-resolution cameras allow use of the new small-pattern, single-plane targets.

- Measuring only 152mm x 203mm (6" x 8") in the front and in the rear, these targets are the smallest we have ever offered.
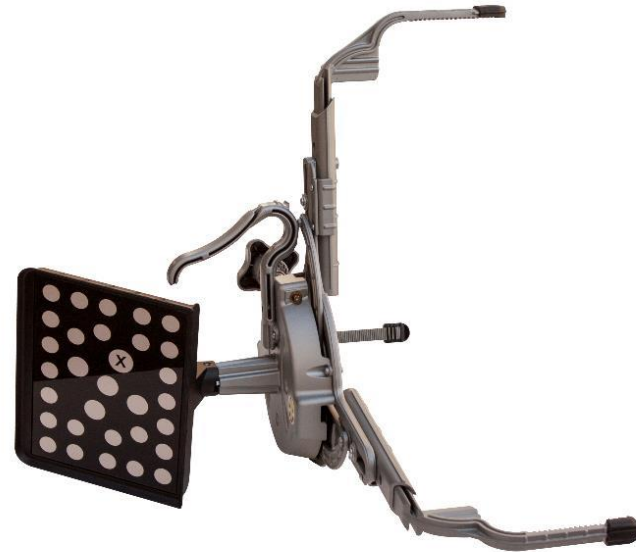
# *AC400 – No Contact with the Rim*

- Securely attaches to the tyre without touching the rim
  - No opportunity to damage the rim.  All contact with the vehicle is to the tyre.
  - No need for additional accessories due to rim/tyre combinations
- Clutch limited clamping force ensures secure and consistent attachment
- Ergonomic handle
- Attaches to tyre diameters from 48,3 cm (19") to 99,1 cm (39") without accessories that can be misplaced

# *Lightweight and Durable*

- Constructed from cast magnesium

- High durability - drop tested

- 3,2 kg front and rear

# *TARGET CUSTOMERS*

# *Target Customers:*

- Volume Alignment Shops
  - Independent Garages focused on alignment
  - National Accounts, Fast Fitters
  - Franchises
- Shops that want a professional quality aligner and:
  - Maximize profit from alignment
  - Significantly Decrease the number of come-backs
  - Want to limit exposure to wheel damage
  - Want a flexible installation
  - Want a system designed from the start for moblity not a beam attached to a console

# *SPECIFICATIONS*

# *Included with EEWAEU715TB4 (AC400)*

- geoliner®678 Wheel Alignment System
  - Cabinet and camera Beam
  - 3,8 m network cable
- AC400 Wheel Clamps with XD Targets
- Colour Inkjet Printer
- Flat Panel, 24" Monitor
- Brake Pedal Depressor
- Steering Wheel Holder
- 2 Wheel Chocks

# Technical Specifications

- geoliner® 678 Wheel Alignment System_____EEWAEU715TB4 – AC400 Lift
- Camera System_____2 cameras, 5.1 Mega Pixel
- Software_____Custom UI and OS
- Track Width_____121,9 cm – 243,8 cm (48" – 96")
- Wheel Base_____200,7 cm – 457,2 cm (79" – 180")
- Shipping Weight_____227 kg (501 lbs)
- Power Requirements_____100-230 Volts AC, 50/60Hz, 15 Amps        circuit.  Must have earth Ground.
- Agency Approvals_____UL201, C22.2, CE

- AC400 Wheel Clamp with XD Targets
- Wheel Size (outer diameter of the tyre)_____ 48,3 cm – 99,1 cm (19" – 39")
- Weight _____ 3,2 kg (7 lbs) per clamp
- Clamping Force _____ 164,6 N (37 lbs)
- Construction _____ Cast magnesium

# *ACCESSORIES*

# Accessories

**Included Accessories**

- Steering Wheel Holder – 00055502000

- Brake Pedal Depressor – 0000009600

- Colour Ink Jet Printer – EAK0268J05A

- Wheel Chocks – EAC0090J82A

**Optional Accessories**

- AC400 Truck Wheel "Dually" Adapter – EAK0305J50A

- Hub Adaptor Kit – EAK0222J83B

- AC100 Wheel Clamp Upgrade Kit – EAK0320J36A

- Mobility Kit – EAK0320J78D

- TIP target - 4028515