

# **WinAlign<sup>®</sup> HD Alignment Systems**

**Fast and accurate wheel alignment for multi-axle trucks**

**NEW**



# New DSP760T alignment sensors

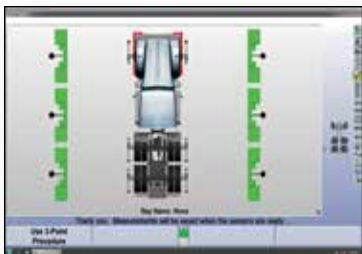
Hunter's new DSP760T heavy-duty alignment sensors reduce setup time and provide accurate alignment readings.



*PATENTED*

## Rolling Compensation

- ✓ No jacking required
- ✓ Compensate all sensors at once
- ✓ Short roll comp



*PATENT PENDING*

## Six Sensors Live

- ✓ Three axles live
- ✓ See all measurements at once
- ✓ Diagnose tire wear conditions
- ✓ Reduce setup time through minimal sensor movement



*PATENTED*

## Heavy-Duty Quick Grip Clamp

- ✓ Fast installation
- ✓ No metal-to-metal contact

**OPTIONAL**



*STANDARD*

## Self-Centering Adaptors

- ✓ High versatility for trucks and buses with low-hanging bumpers or air dams
- ✓ Fits wheels 15 to 28 inches in diameter



*PATENT PENDING*

## Trailer Alignment

- ✓ Align without unhooking from tractor
- ✓ Align using optional kingpin adaptor without tractor
- ✓ Accurate to 600 inches



*PATENT PENDING*

## Truck Pusher

- ✓ Easily move vehicle for rolling comp
- ✓ Rechargeable battery
- ✓ Doubles as a wheel chock



*PATENTED*

## Fully Integrated Alignment

- ✓ Auto-locking turnplates
- ✓ Built-in turnplate bridges for rolling comp

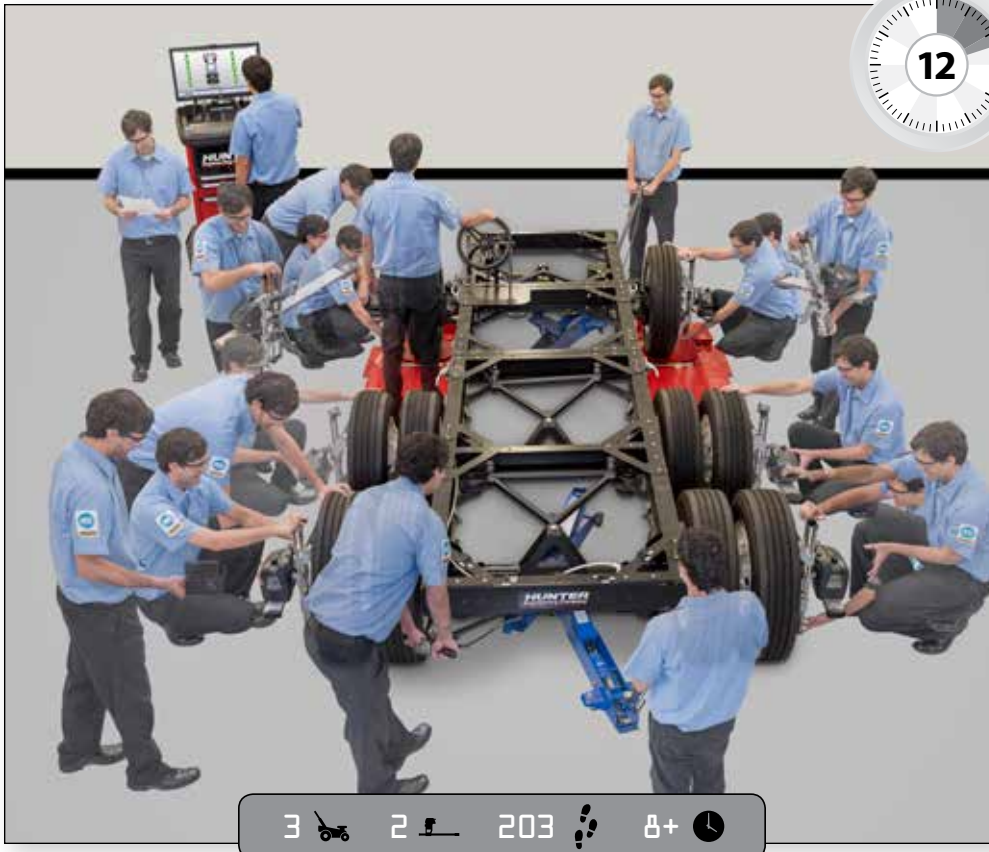


*STANDARD*

## Cordless Operation

- ✓ No cumbersome cables
- ✓ Hot-swappable batteries

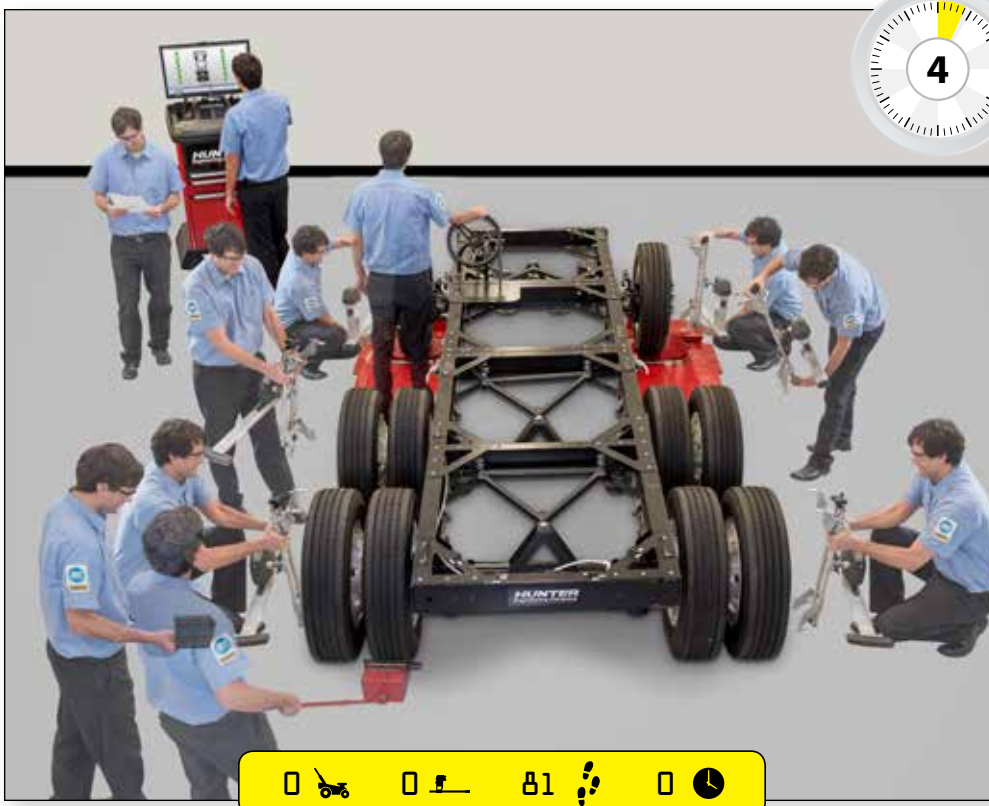
# Previous setups used valuable shop time...



## Traditional procedures

- ✓ Position vehicle
- ✓ Select vehicle type
- ✓ Jack front axle
- ✓ Mount front sensors
- ✓ Compensate each sensor
- ✓ Pull turnplate pins
- ✓ Lower front axle
- ✓ Jack rear axle
- ✓ Mount rear sensors
- ✓ Compensate each sensor
- ✓ Lower rear axle
- ✓ Steer caster
- ✓ Jack middle axle
- ✓ Move fronts to middle
- ✓ Compensate each sensor
- ✓ Lower middle axle
- ✓ Print results

**12:00-15:00 Total**

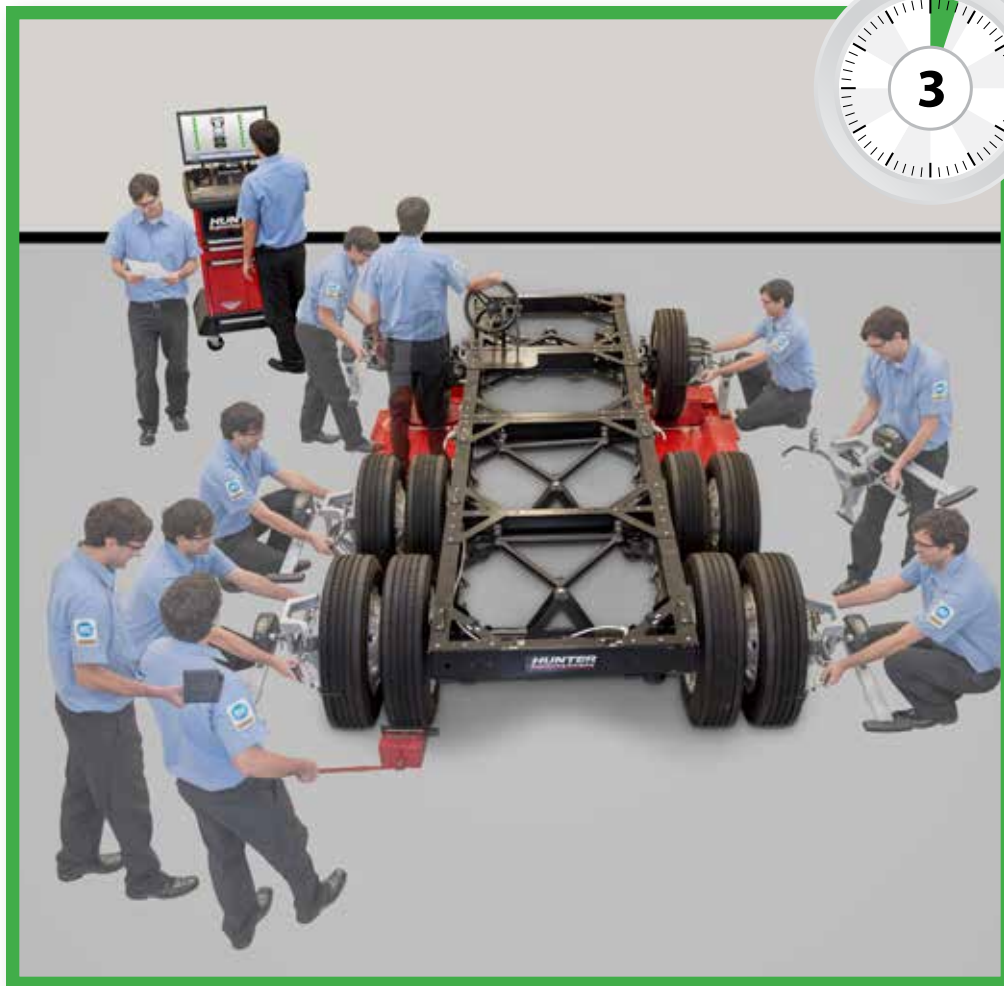


## Standard procedure

- ✓ Position vehicle
- ✓ Select vehicle
- ✓ Mount sensors
- ✓ Roll forward to compensate
- ✓ Steer caster
- ✓ Print results

**4:00 Total**

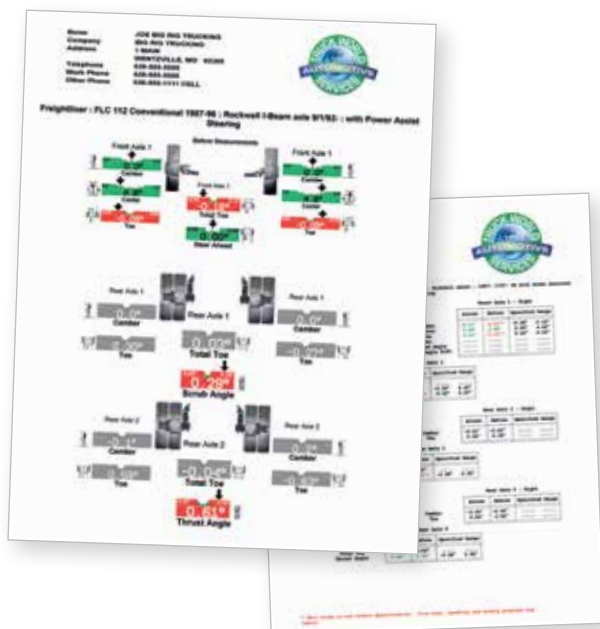
# ...Today, present your results in just 3 minutes!



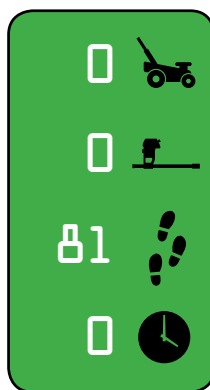
## New procedure

- ✓ Position vehicle
- ✓ Select vehicle
- ✓ Mount sensors
- ✓ Roll forward to compensate
- ✓ Steer caster
- ✓ Print results

**3:00 Total**



## ACTIVITY TRACKER



axles jacked to compensate

sensor movements

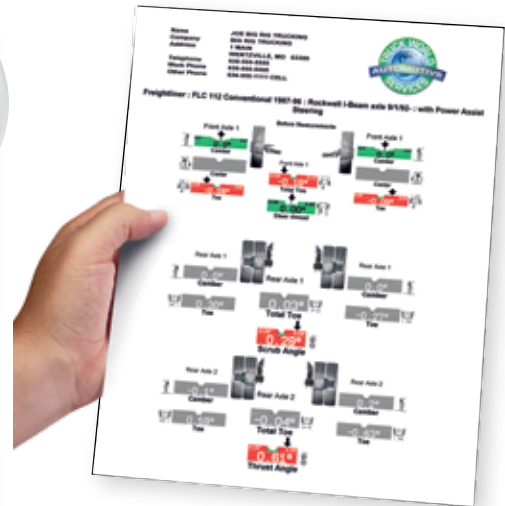
total walking steps

additional minutes required before adjustment

## Fast printouts in 3 minutes!

Use detailed before and after printouts featuring your company's logo to sell more work.

# Check tire wear angles in just 2 minutes!



**Use detailed printouts featuring your company's logo to sell more work**

- ✓ Get measurements on three axles
- ✓ Toe and camber on front axle
- ✓ Thrust and scrub on rear axles

## Step-by-step procedure for HD alignment checks



**1. Mount six sensors**



**2. Roll vehicle forward**



**3. Retrieve the printout**



**4. Sell the service**

### The Quick Check Heavy-Duty Spec benefits shops performing quick alignment checks:

- ✓ Based on TMC documentation
- ✓ Eliminates the axle code requirement
- ✓ Saves approximately two minutes per truck
- ✓ 80% alignment opportunity generates revenue
- ✓ Increase fleet tire life by 20% and reduce fuel consumption by 2%

# Accessories



*PATENT PENDING*

## Truck Pusher

**Standard with WT600**

Hunter's battery operated pusher easily moves the vehicle for accurate rolling compensation. (20-2855-1)

*OPTIONAL*

## Mini self-centering wheel clamps



Allow sensor to be mounted to hub center of front rims (2 required) (175-284-1).



*OPTIONAL*

## Remote indicator

Provides the operator with complete control while making adjustments to the vehicle. (Cordless: 20-2882-1)

## Turnplate options

- ✓ Adjustable track width from half-tons to Class 8
- ✓ 10,000 kg (22,000 lbs) per axle
- ✓ Built-in turnplate bridges for rolling comp (excluding Portable)

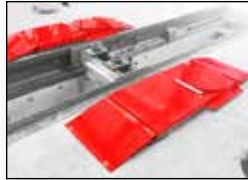


Lock turnplates with a switch or automatically through an FIA-equipped aligner.

OR



Manually slide lever to lock or unlock turnplates.



### Surface-Mount

- ✓ Accomodates existing pits

**20-3291-1** PowerSlide™ **20-3292-1** SlideLock



### Rack-Mount

- ✓ Compatible with RKHD, PT, PE, and PF racks
- ✓ Perform Quick Checks and alignments easier

**20-3334-1** PowerSlide™ **20-3333-1** SlideLock



### Flush-Mount

- ✓ Level profile reduces tripping hazards
- ✓ Clean installation and smooth approach

**20-3294-1** PowerSlide™ **20-3293-1** SlideLock



### Portable

- ✓ Multiple bays
- ✓ Mobile alignment service

**20-3271-1**



*OPTIONAL*

## Trailer gauge

Trailer alignment gauge tool mounts sensors to the trailer kingpin. Trailer axles are adjusted to centerline. (221-738-1)



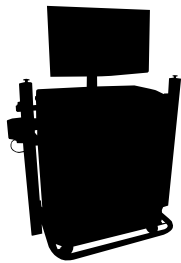
*OPTIONAL*

## Sensor storage options

Sensor storage post (left) or cart (right) provides convenient access and storage for alignment instruments. (Post: 20-2886-1, Cart: 20-2850-1)

# When it comes to heavy-duty software, WinAlign® HD is unmatched!

The importance of software...

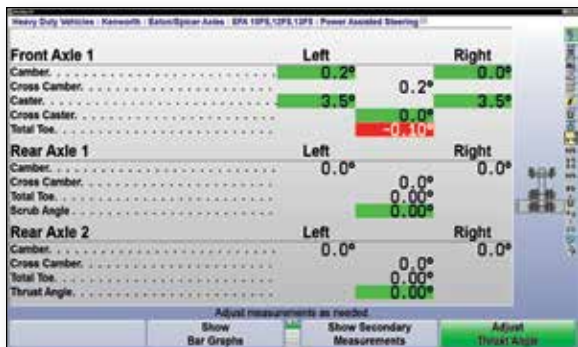


Ordinary systems simply present alignment readings



WinAlign HD maximizes profit and productivity

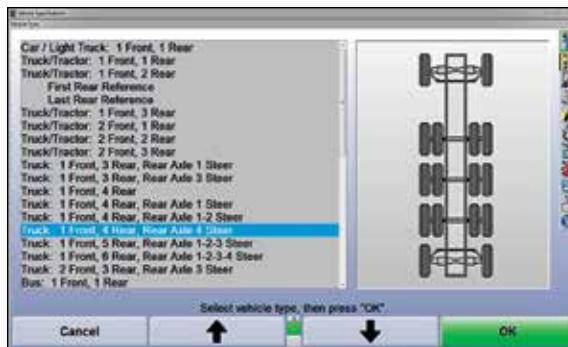
- ▶ The **most extensive** vehicle information database.
- ▶ **Vehicle-specific** procedures guide your technicians with step-by-step instructions.
- ▶ **Patented power tools** complete the work accurately the first time, every time.
- ▶ **WinAlign HD maximizes profit and productivity** in your alignment bay.



PATENTED

## ExpressAlign®

Perform every alignment with a streamlined procedure. ExpressAlign analyzes each job and presents the optimal action sequence with the minimum steps required.



## 60+ Axle configurations possible

WinAlign HD software supports more than 60 customized truck, trailer and bus alignment procedures as well as passenger car and light truck alignment.

### Additional power features for light-vehicle work includes:

- CAMM® feature • Tools and Kits database • Digital photos/videos\* •
- ExpressAlign® procedure • Shim Select® II feature • Work Management features



*PATENTED*

## WinToe®

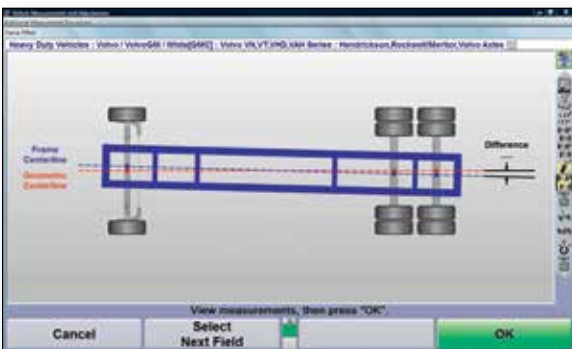
Ensure a straight steering wheel every time without repeated adjustments or using a steering wheel holder. Works with all vehicles on the road today, from cars to Freightliners.



*PATENTED*

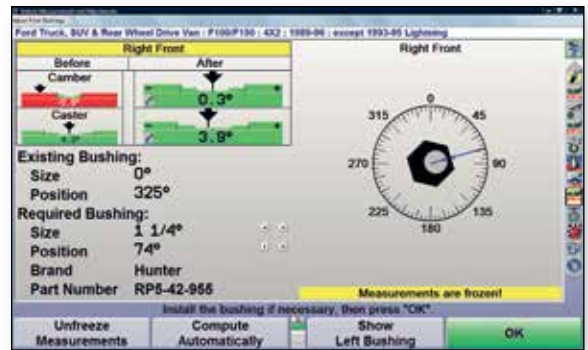
## Rear Axle Adjustment Calculations

Cut adjustment times in half for rear axle corrections. Graphics let you get it right on the first try.



## Frame Offset Angle Display

Measure frame offset angle and calculate adjustments to frame centerline, if a frame reference alignment is needed.



*PATENTED*

## Automatic Bushing Calculator®

Calculate the proper bushing size and position adjustment without wasting time with a zero bushing. Eases the process of servicing Ford F-150-450's.



## Adjustment Videos

Strengthen technician competency and extend profit opportunities with helpful adjustment videos.



**Before and after alignment results can be printed in color.**

# Console configurations

	WinAlign WT600 Premium	WinAlign WT500 Standard	
Industry-leading hardware and software	Intel Core i3 Processor 3.70 GHz (or greater)	✓	✓
	4 GB of DDR3 SDRAM Memory	✓	✓
	240 GB SSD hard drive (or greater)	✓	✓
	DVD-RW/CD-RW drive	✓	✓
	Windows® 10 operating system	✓	✓
	Car and light truck software*	✓	✓
	2 years of free VID updates	✓	✓
	2 years of free HunterNet access	✓	✓
	Wireless network module	✓	Optional
	AlignGuide training	✓	Optional
	DSP760T support	✓	Optional
	Rolling compensation	✓	Optional
	Truck Pusher	✓	Optional



Premium



Standard

\* Car alignment sensors required.

# DSP700T sensor features

	DSP760T	DSP740T
Axles live	3	2
High-speed wireless communication	✓	✓
Pro-Comp® continuous compensation	✓	✓
Rolling compensation option**	✓	✓
Level Reminder® on-screen leveling	✓	✓
Sensor locking mechanism	✓	✓
Interrupted measurement retention	✓	✓
Light-weight construction	✓	✓



DSP760T



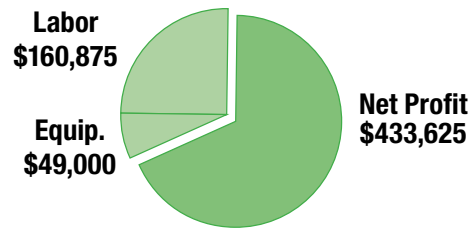
DSP740T

\*\* Requires WT600 console.

# Return on investment

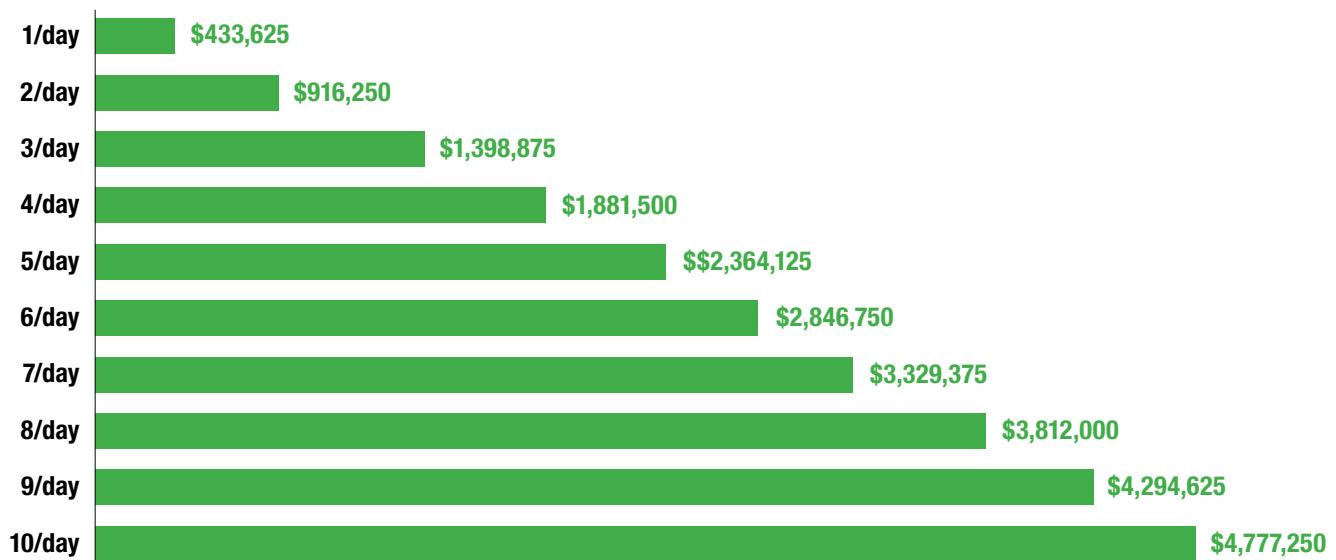
## HD wheel alignment profitability

### Cash Investment - 1/day



Cash Purchase		Alignments per period			
		1 Per day	= 24 Per month	= 286 First year	= 2,860 10 year
Work week (days)	5.5				
<b>Alignment RO Total (\$225 per align)</b>	<b>\$225</b>	<b>\$225</b>	<b>\$5,358</b>	<b>\$64,350</b>	<b>\$643,500</b>
Cost of labor & parts	-25%	-\$56	-\$1,340	-\$16,088	-\$160,875
<b>Gross Profit</b>	<b>\$168.75</b>	<b>\$169</b>	<b>\$4,019</b>	<b>\$48,263</b>	<b>\$482,625</b>
Total investment (7 year depreciation)	\$49,000	-\$24	-\$583	-\$7,000	-\$49,000
<b>Net Profit</b>	<b>\$144.26</b>	<b>\$144</b>	<b>\$3,435</b>	<b>\$41,834</b>	<b>\$433,625</b>
<b>Alignments per month to break even</b>	<b>3.5</b>	<b>340 days</b>	<b>14.3 months</b>	<b>1.2 years</b>	
<b>Full Equipment Payback</b>					

## Ten-year return on a \$49,000 investment

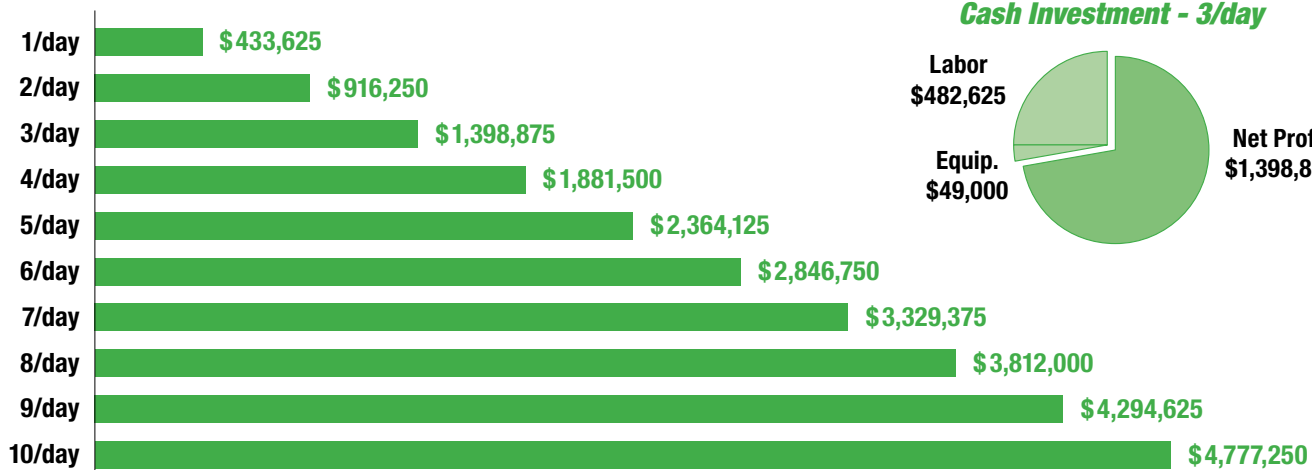


# Return on investment

## HD Quick Check wheel alignment profitability

<b>Cash Purchase</b>		<b>Alignments per period</b>			
Work week (days)	5.5				
<b>Alignments per day (Core Business)</b>	<b>1</b>				
# Non Alignment Traffic per day	10				
# Trucks Needing Alignment: 70% (Ind. Avg.)	7				
<b>Add'l Alignments Sold: 25% (or more)</b>	<b>+2</b>				
<b>Total Alignments per day:</b>		<b>3</b>	<b>= 71</b>	<b>= 858</b>	<b>= 8,580</b>
		Per day	Per month	First year	10 year
Alignment charge	\$ 225	\$ 675	\$ 16,075	\$ 193,050	\$ 1,930,500
Alignment add'l charges (Ind. Avg.)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
<b>Alignment RO Total</b>	<b>\$ 225</b>	<b>\$ 675</b>	<b>\$ 16,075</b>	<b>\$ 193,050</b>	<b>\$ 1,930,500</b>
Cost of labor & parts	-25%	-\$ 169	-\$ 4,019	-\$ 48,263	-\$ 482,625
<b>Gross Profit</b>	<b>\$ 168.75</b>	<b>\$ 506</b>	<b>\$ 12,056</b>	<b>\$ 144,788</b>	<b>\$ 1,447,875</b>
Total investment (7 year depreciation)	\$ 49,000	-\$ 24	-\$ 583	-\$ 7,000	-\$ 49,000
<b>Net Profit</b>	<b>\$ 160.59</b>	<b>\$ 482</b>	<b>\$ 11,473</b>	<b>\$ 137,788</b>	<b>\$ 1,398,875</b>
<b>Alignments per month to break even</b>	<b>3.5</b>	<b>102</b>	<b>4.3</b>	<b>0.4</b>	
<b>Full Equipment Payback</b>		<b>days</b>	<b>months</b>	<b>years</b>	

## Ten-year return on a \$49,000 investment



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Engineering Company

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