

# Rack System - Industrial Hard Drive Duplicator

## YEC Advantage

>>>Why industrial users buy YEC Hard Drive Duplicators?

**Answer: Cost Reductions!**



### 1. Cost Reduction Scenario:

Company duplicates 20,000 HDD (300GB) per month using YEC rack system instead of competitor's duplicator. (This is actual case with one of our customer!)

**Bottom Line:** Total saving: **\$53,790** per month for 20,000 HDD per month productions.  
This is **\$2.69 savings per HDD!!!**

There are three areas where customer can save money using our equipment.

#### 1-1. Process Time:

	Normal Methods	YEC Methods	Savings
Duplicate Linux/OS X/Unix System	Sector-Sector Duplication <b>4GB/min</b>	Smart Duplication <b>(Only Duplicate Used Area=5GB)</b>	*Works for any ATA/SCSO/SATA hard drive and operation systems
300GB HDD	<b>1 hour and 15 min.</b>	<b>2 min.</b>	<b>1 hour 13 min. per load</b>

**Savings Summary:** 839 hours/Month (**\$8,390** if paying \$10 per hour)

\* Regardless of HDD size and operation system OS, our unit makes duplication job = Less than 5 min. (Duplication, Data integrity check, and HDD health check for less than 5GB of used HDD area) For example, if HDD is 500GB and have Linux installed with few applications, competitor's 1:6 duplicator takes more than 1.7 Hrs to duplicate only. Our unit 1:29 will do only 5 min to do all Duplication and Data integrity check

Note: Network or USB Download takes about 1GB/min and you can select used area only copy. However, the networks download known to have many data integrity problem.

## 1-2. Labor Time:

	Normal Methods	YEC Methods	Savings
Load/connect HDD	Manually connect and disconnect HDD: 10sec./unit	Automatically connect and disconnect HDD: 3sec./unit	*Works for any ATA/SCSO/SATA hard drive and operation systems
(1:29) duplication	<b>172min.</b> (34 times load per day)	<b>49min.</b> (34 times load per day)	<b>123 min. per day</b> *Plus connector defect

### **Savings Summary: 41 hours/Month (\$4,100 if paying \$10 per hour)**

\*Auto Loader cost reduction: 30 bays insertion/removal manually 300sec, 5min. Auto loader-1min 30sec. This normally give 2~3 hours Savings per day plus elimination of damaged pins or adapters.

## 1-3. Warranty Return Cost;

	Normal Methods	YEC Methods	Savings
HDD inspections during the duplication	No HDD performance test (No data integrity test for network download)	Automatically test the following items during the duplication*	Duplicate 20,000 HDD per month means. 1,000 pcs (5%) warranty claim in current system
(1:29) duplication	Above <b>4~5%</b> of HDD warranty returns	<b>Less than 2%!</b> (50% or less of current warranty ratio)	<b>600 HDD per month LESS warranty return reduction</b>

### **Savings Summary: 600 pcs less returns (\$45,000 if paying \$75 per HDD)**

\*Automatically performs HDD incoming and outgoing inspection during duplication (Capacity Check, Model# Check, Bad Sector Check, Data Transfer Speed Check/ data transfer rate in MB/sec, Data Comparison –CRC- Check, Data Corruption in UBA area)

## 2. You Investment:

		(1:23) Rack System	(1:29) Rack System
<b>Basic ATA Configuration</b>	\$1300 per port	<b>\$31,200</b>	<b>\$39,000</b>
<b>Standard Host Program</b>	License Fee per unit	<b>\$3,000</b>	<b>\$3,000</b>
<b>Options</b>			
SATA native connection	\$200 port	\$4,800	\$6,000
SCSI native connection	\$1,000 per port	\$24,000	\$30,000
Auto HDD loader	\$250 per port/interface	\$6,000	\$7,500
Host Control laptop PC	\$3,000 per unit	\$3,000	\$3,000

\*Please ask for non-listed options to our sales department