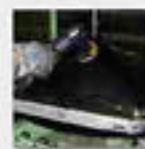
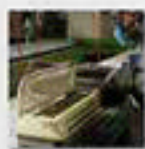
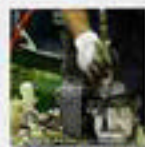


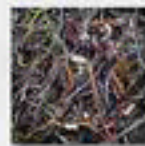
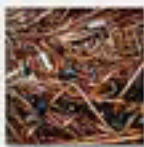
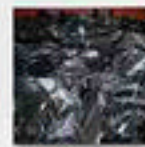
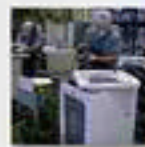
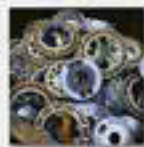
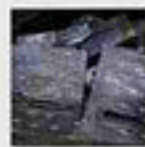
**VESSEL**<sup>®</sup>  
Quality does it.



TVs  
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Refrigerators  
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Copiers  
Fax machines  
Printers  
Household appliances  
Audio equipment  
Cars  
Motorcycles  
Bicycles  
Vending machines  
Furniture  
Sofas  
Beds  
Gas equipment  
Oil equipment  
& more!

## *Manual Disassembly Tools*

Lower costs and improve recycling rates by efficiently disassembling unneeded products



### Disassemble assembled products neatly

The scramble to create recycling systems for products such as household appliances, office equipment, and cars spawned by the enactment of the Recycling Act in April 2001 continues today. The emphasis has shifted to disassembling products neatly into their component parts so that they can be reused and recycled, rather than destroying them in bulk and then classifying the resulting waste for disposal. VESSEL is pleased to introduce a series of labor-efficient tools that meet the demand in the field for disassembly processes that can be measured in seconds and that allow the recovery of high-quality resources.

# Loosening SCREWS, BOLTS, NUTS...

## Air Screwdriver

Especially designed for use at recycling plants, these drivers offer superior screw-loosening durability

For loosening screws up to M5 size



### No. GT-S4.5DR EDP#311294

Suggested retail price

No-load speed: 14,000rpm  
Air consumption: 0.2m<sup>3</sup>/min  
Air hose size: G 1/4  
Length: 180mm  
Weight: 505g  
Air pressure: 0.8MPa



### No. GT-P4.5DR EDP#311088

Suggested retail price

No-load speed: 14,000rpm  
Air consumption: 0.2 m<sup>3</sup>/min  
Air hose size: Rc 1/4  
Length: 160mm  
Weight: 715g  
Air pressure: 0.6MPa



### No. GT-PLH II EDP#311294

Suggested retail price

No-load speed: 8,500rpm  
Air consumption: 0.3m<sup>3</sup>/min  
Air hose size: Rc 1/4  
Length: 213mm  
Weight: 905g  
Air pressure: 0.8MPa



### No. GT-P6LS III EDP#311088

Suggested retail price

No-load speed: 9,000rpm  
Air consumption: 0.3m<sup>3</sup>/min  
Air hose size: Rc 1/4  
Length: 177mm  
Weight: 955g  
Air pressure: 0.6MPa



### No. GT-P6XD EDP#311147

Suggested retail price

No-load speed: 8,500rpm  
Air consumption: 0.4m<sup>3</sup>/min  
Air hose size: Rc 1/4  
Length: 153mm  
Weight: 940g  
Air pressure: 0.6MPa



## Bits



### A 14

No./	SizeXlength	No./	SizeXlength
EDP#413028	1X 45H 145	EDP#413245	2X 150H 275
EDP#413031	65H 150	EDP#413049	200H 345
EDP#413031	110H 205	EDP#413051	3X 45H 145
EDP#413041	2X 45H 145	EDP#413063	65H 150
EDP#413042	65H 150	EDP#413065	110H 205
EDP#413041	110H 205		



### A 16

Shipped in packages of 10

No./	SizeXlength	No./	SizeXlength
EDP#481096	2X 65H 170	EDP#481130	6X 65H 170
EDP#481130	2X 110H 220	EDP#481133	4X 110H 220
EDP#481097	2.5X 65H 170	EDP#481134	5X 65G 170
EDP#481131	2.5X 110H 220	EDP#481134	5X 110G 220
EDP#481098	3X 65H 170	EDP#481136	6X 65G 170
EDP#481132	3X 110H 220	EDP#481135	6X 110G 220



### A 20

No./	SizeXlength	No./	SizeXlength
EDP#416042	5.5X 55 360	EDP#416108	9.6X 55 470
EDP#416051	5.5X 100 510	EDP#416105	10X 55 470
EDP#416052	6X 55 360	EDP#416206	10X 100 030
EDP#416052	6X 100 510	EDP#416104	11X 55 480
EDP#416054	7X 55 390	EDP#416105	12X 55 490
EDP#416055	7X 100 530	EDP#416207	12X 100 790
EDP#416051	8X 55 410	EDP#416106	13X 55 510
EDP#416054	8X 100 620	EDP#416208	13X 100 800
EDP#416057	9X 55 420		



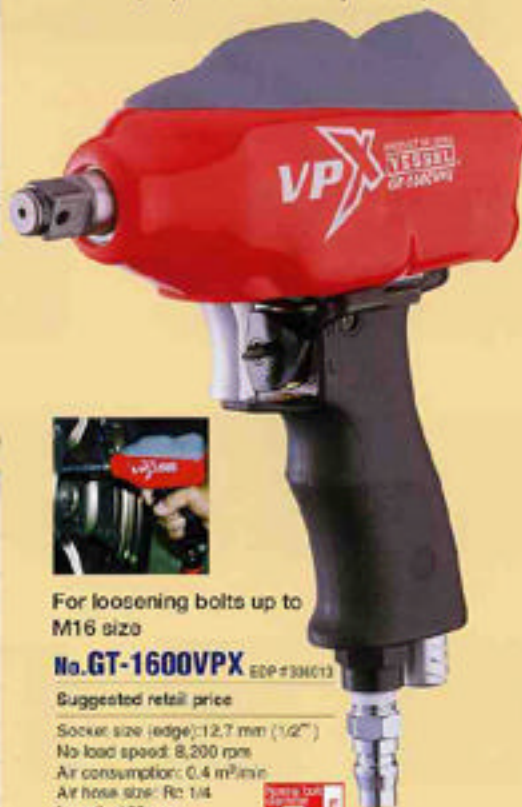
### TORX

Contact Vessel for more information about bit sizes with no pricing.

No./	SizeXlength	No./	SizeXlength
EDP#634997	VT 6X 65	EDP#635135	VT25X 65 750
EDP#634998	VT 6X 110	EDP#635136	VT25X 110 850
EDP#634999	VT 8X 65	EDP#635140	VT27X 65 750
EDP#635000	VT 8X 110	EDP#635141	VT27X 110 850
EDP#635120	VT10X 65 750	EDP#635143	VT30X 65 750
EDP#634998	VT10X 110 850	EDP#635145	VT30X 110 850
EDP#635125	VT15X 65 750	EDP#635150	VT40X 65 750
EDP#635126	VT15X 110 850	EDP#635151	VT40X 110 850
EDP#635130	VT20X 65 750		
EDP#635131	VT20X 110 850		

## Air Impact Wrench

All-purpose disassembly of car parts



For loosening bolts up to M16 size

### No. GT-1600VPX EDP#330013

Suggested retail price

Socket size (edge): 12.7 mm (1/2")  
No-load speed: 8,200 rpm  
Air consumption: 0.4 m<sup>3</sup>/min  
Air hose size: Rc 1/4  
Length: 160 mm  
Weight: 1480 g  
Air pressure: 0.6-0.8 MPa



Meeting the needs of the

"I want to disassemble objects in a

"I want to segregate materials

"I don't want any materials

"I want to work efficiently

"I don't seem to make any

"I don't have any easy-to-

**VESSEL** labor-saver

factory floor

short amount of time."  
materials neatly."  
left over."  
ently."  
progress."  
use tools."

g tools



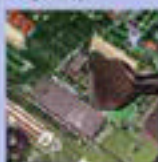
## Air Scraper

For removing IC chips, stickers, and insulation

No. GT-ASC5 EDP #336132  
\*Scraper blades sold separately.

Suggested retail price

Blade speed: 7,000rpm  
Stroke: 5mm  
Air consumption: 0.29m<sup>3</sup>/min  
Air hose size: Rc 1/4  
Length: 195.5mm  
Weight: 810g  
Air pressure: 0.6MPa



# Removing

STICKERS, IC CHIPS...



## Air Disk Grinder

No. GT-DG100 EDP #310630

Suggested retail price

Maximum disk speed: 4,300m/min  
No-load speed: 13,500rpm  
Air consumption: 0.7m<sup>3</sup>/min  
Air hose size: Rc 1/4

Length: 205mm  
Weight: 1,360g  
Air pressure: 0.6MPa



Nylon wheel for removing stickers EDP #350880

Cutter wheel for severing band steel EDP #350890

No. CL-NW Suggested retail price

Size: 100X15mm  
Maximum tip speed: 4,300m/min  
Package of 5 disk

No. CL-CW Suggested retail price

Size: 100X15mm  
Maximum tip speed: 4,300m/min  
Package of 5



## Scraper Blades (for use with GT-ASC5)

No. ASC-25-8 EDP #350141

Suggested retail price



No. ASC-50-8 EDP #350142

Suggested retail price



## Air Nipper For cutting wire harnesses



No. GT-N30 EDP #36008

Suggested retail price

Air consumption: 554cm<sup>3</sup>/min  
Air hose size: Rc 1/4  
Frame diameter: 55mm  
Length: 100mm  
Weight: 525g  
Air pressure: 0.5-0.6MPa



## Blades (for use with GT-N30)

No. N30AS EDP #360111

Suggested retail price

Effective cutting edge length: 25mm  
Weight: 370g

## Air Saw For cutting car body frames and dashboards



No. GT-AS10 EDP #336131

Suggested retail price

Blade speed: 5,000rpm  
Stroke: 10mm  
Air consumption: 0.25m<sup>3</sup>/min  
Air hose size: Rc 1/4

Length: 195.5mm  
Weight: 870g  
Air pressure: 0.6MPa



## Air Saw

For cutting wooden TV consoles and thin steel panels on refrigerator and washing machine bodies

No. GT-AS100 EDP #310640

Suggested retail price

Blade speed: 10,000rpm  
Stroke: 10mm  
Air consumption: 0.34m<sup>3</sup>/min  
Air hose size: Rc 1/4  
Length: 170mm  
Weight: 570g  
Air pressure: 0.6MPa



## Air Saw Blades (for use with GT-AS10/AS100)



EDP #300954

No. ASB-32 Suggested retail price

For metal: Cobalt standard blade, 32 pitch / package of 10



EDP #350091

No. ASB-32T Suggested retail price

For metal: Thin blade, 32 pitch / package of 10



EDP #300952

No. ASB-32H Suggested retail price

For metal: Cobalt super-thick blade, 32 pitch / package of 10



EDP #350092

No. ASB-24H Suggested retail price

For metal: Cobalt super-thick blade, 32 pitch / package of 10



EDP #300956

No. ASB-17 Suggested retail price

For wood: Package of 5



EDP #350143

No. ASC-25-5 Suggested retail price

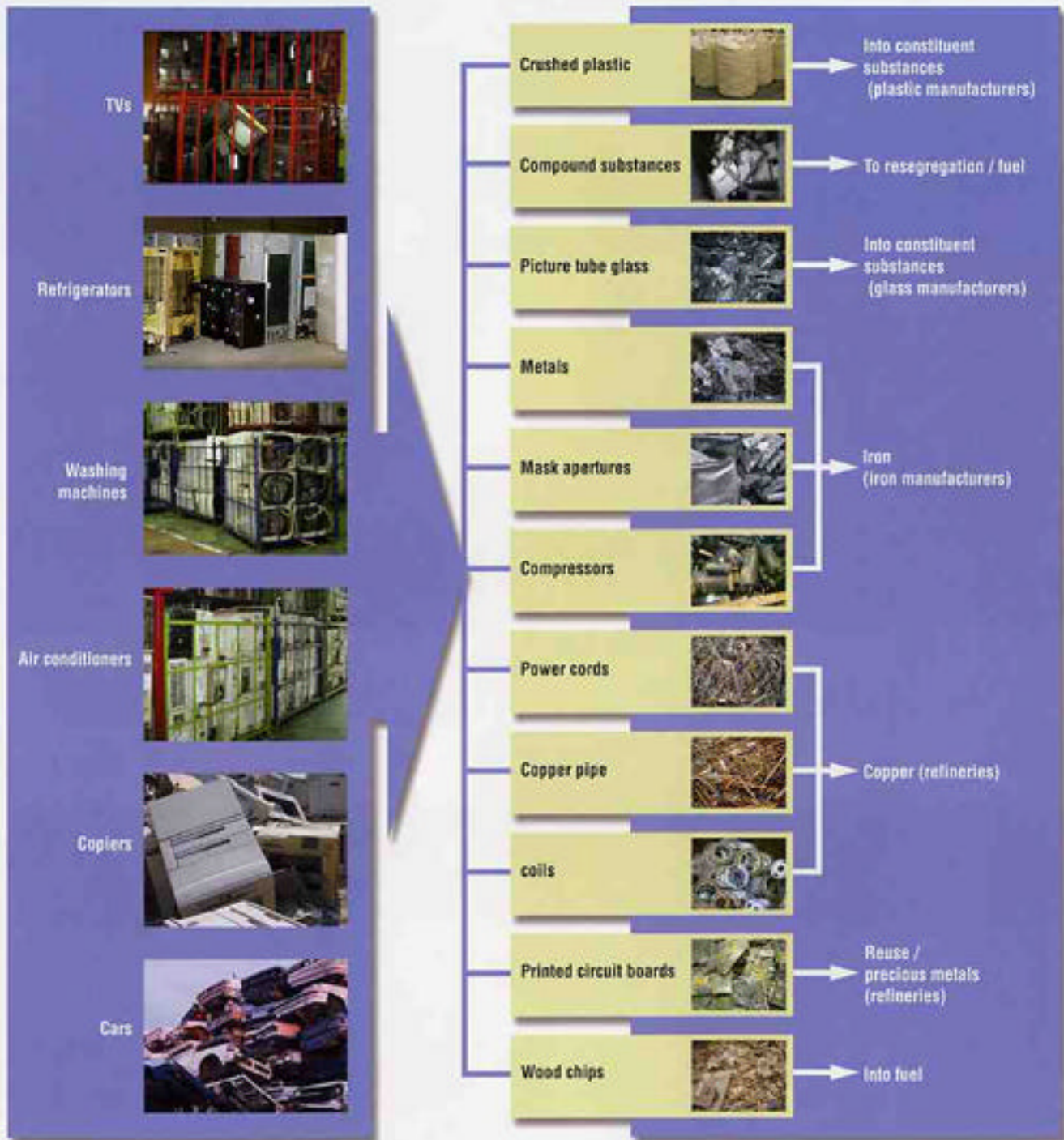
Scraper blades



# Cutting

WIRES, SHEETS, PLASTICS, BOARDS...

# Manual disassembly and machine pulverization



Precaution

To ensure the safe use of these products, do not operate them or replace blades or other parts until you have thoroughly read and understood all applicable instruction manuals and precautionary information.

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