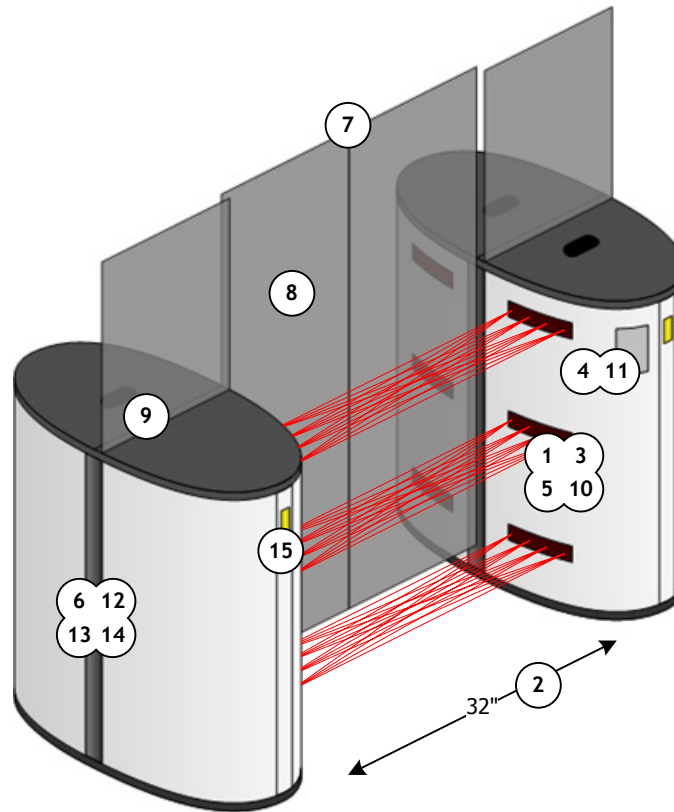


Inside the PathMinder turnstile



- 1 **Optical detection matrix.** The world's only optical turnstile with a 96-beam optical matrix, creating a dense net of beams at different heights and angles to almost eliminate false alarms while resisting even severe misalignment.
- 2 **ADA compliance at 32".** Our 3820 optical turnstiles are the first glass barrier units to offer ADA compliance at a spacing as small as 32", offering more layout flexibility. Say goodbye to separate unmonitored swing gates and "special" wheelchair lanes. Say hello to equal access.
- 3 **Guide-dog and wheelchair friendly.** The industry's first optical turnstile with a detection algorithm that recognizes and discerns people with wheelchairs or guide dogs...then treats them just like everybody else.
- 4 **Biometrics, smart cards, and other fun stuff.** We do it all. Some of our customers like units with a smart card reader plus a PIN pad. Other customers prefer hand geometry readers. We elegantly integrate all such devices into our turnstiles.
- 5 **Safety beams galore.** Well, ninety-six, to be precise. Safety beams monitor passages through the lane, and avoid closing the barriers when a person is in transit, even if they're causing an alarm. Because even intruders can afford good lawyers.
- 6 **Torque sensor.** Because stuff happens. If barriers start to close and detect unusual resistance (say, a purse caught in the lane), they stop immediately, then retract slightly, and an alarm occurs.
- 7 **Vertical safety matrix (pinch prevention).** Another industry exclusive. Up to 128 independent safety beams are deployed along the edges of the barrier. When an arm or object passes through the safety matrix, the barriers stop immediately, without ever touching the object. Sensors even monitor the top section of the tall doors, far above conventional safety beams. Available on some models.
- 8 **Blast- and impact-resistant glass.** The industry's first turnstile to offer optional $\frac{3}{4}$ " laminated glass barriers with blast protection--barriers keep working even when shattered. No flammable clear plastic in sight. And no flying shrapnel.
- 9 **Spill-resistant finger guard.** Belt-style finger guard protects interior components. Accidents happen, and tend to involve coffee. Brush-style guards are vulnerable to liquids. Make sure the only casualty is the coffee itself, not the turnstile.
- 10 **Compact detection area.** A turnstile's traffic handling ability (i.e., speed) depends on one thing: how long it takes a person to walk from the first to the last detector. PathMinder's array takes one or two steps to clear. Most competitors' take more.
- 11 **Card readers where you want them.** Conceal proximity card readers under a fancy metal ring embedded in the Corian top surface. Or stick them behind a backlit panel on the side. Or mount them on the outside. Pick what works best for your site.
- 12 **Fault-tolerant barrier retraction.** Barriers retract when a fire alarm occurs. Barriers retract mechanically (with a spring) when power fails completely. No-one gets trapped.
- 13 **Servo-powered barriers.** Barriers are powered by servo motors for intensely smooth and quiet operation. Makes a mild swooshing sound. Also has oodles of power on reserve to stop/retract the doors immediately when resistance is encountered.
- 14 **Partial entry permitted.** People fumble. PathMinder turnstiles allow a person to substantially enter the detection array before presenting a card, without generating an alarm. Particularly handy for wheelchair users--they can roll into the lane and then present their card without too much of a reach.
- 15 **End lights at four corners.** Alarms are easier to handle if you can actually tell where they happen. Flashing red lights at all four corners of a lane make them trivial to pinpoint from any angle, sans guesswork. Meaning you can deal with the intruders, rather than the excuses why they got in.

Ten point competitive checklist

Instructions. Bring this paper with you as you evaluate different turnstiles. Have each optical turnstile manufacturer demonstrate how it meets each criterion. Award a checkmark if a turnstile passes each test. Tally up points after comparing products.

	Company #1	Company #2	Company #3
	<i>PathMinder</i>		
i		
Safety. Does the barrier avoid hitting a person? Walk through turnstile with a second person close behind you and see if the barrier closes on the second person.	✓
ii		
Safety. Does the barrier avoid crushing a hand/finger? Reach into the centre of the lane as the barriers are closing, and see if your hand gets crushed.
iii		
Security. Does the turnstile detect a tight tailgate attempt? Have a friend get friendly; have them walk through immediately behind you, within ¼", and see if he/she gets caught.
iv		
Appeal. Does the unit look sleek, or does it look kludged? How is the fit and finish? Will the materials be durable? Do the barriers line up, or are they offset from one another?
v		
Maintainability. Does the turnstile operate properly under severe misalignment? Pull, push, bend, and twist the turnstile to force it out of alignment, and then try using it.
vi		
Speed. Does the turnstile meet its speed claims? Grab several friends, and run around and around the turnstile, seeing if you can get close to the claimed throughput.
vii		
Safety. Does the unit allow people to exit in a power failure? Have the salesperson cut power to the unit. Do the barriers retract fully and quickly, without being forced?
viii		
Comfort. Are the barriers dramatically smooth and quiet? Walk through and listen. Ideally, you shouldn't hear much. Ask yourself, would your mom be concerned?
ix		
Accessibility. Has the turnstile been tested with guide dogs? Pull and push a rolling carry-on suitcase through the lane, and see if it gets clipped by the barriers.
x		
Your biggest concern. What matters most to you? Note it here and test it.
		
+		
Total. Sum up the checkmarks. Draw conclusions as necessary