

## Test Results

### ISO 7176/19

#### Section 5.2 - Dynamic Performance Requirements

<b>Test No: S12668</b> <b>Client: Karma Mobility Limited</b> <b>Wheelchair: DESCRIPTION</b> <b>Occupant: Hybrid II 50th % (75 kg)</b>		<b>RESULTS</b>
<b>5.1</b>	<b>During the Test</b>	
a)	Horizontal ATD and wheelchair excursion limits as per limits shown in Table 3:-	
	Was the horizontal movement of the test wheelchair P- Point ( $X_{ss}$ ) less than 200 mm. ( $\pm 5$ mm)	PASS 64 mm
	Was the horizontal movement of the dummy Knee ( $X_{knee}$ ) less than 375 mm. ( $\pm 5$ mm)	PASS 270 mm
	Was the horizontal movement of the Dummy ( $X_{head}$ ) less than 650 mm. ( $\pm 5$ mm)	PASS 290 mm
b)	Was the ratio $X_{knee}/X_{ss} > 1.1:1$	PASS 4.20 : 1
c)	Did the batteries of powered wheelchairs, or their surrogate parts:-	
	I. move outside of the wheelchair footprint	N/A
	II. move into the wheelchair user's space	N/A
<b>5.2</b>	<b>Post Test</b>	
a)	Did the wheelchair remain upright on the test platform and did the ATD remain in a seated posture in the test wheelchair with a torso angle $> 45^\circ$	PASS
b)	Did the wheelchair securement points show visible signs of material failure	PASS
c)	Did any components of a mass greater than 100g become detached from the wheelchair	PASS
d)	Did any occupant contactable components fragment or separate with an edge of less than 2mm	PASS
e)	Did any primary load carrying components of the wheelchair show any visible signs of failure	PASS
f)	Did any 'tilt in space' locking mechanisms show signs of failure	PASS
g)	Was the ATD released from the wheelchair without the use of tools	PASS
h)	Was the wheelchair released from the restraint system without the use of tools	PASS
i)	Was the average decrease of H-Point height relative to the wheelchair platform less than 20% of the pre-test height	PASS
The wheelchair satisfied the Dynamic Test requirements of ISO/NP 7176/19 of 7th July 2008		<b>PASS</b>