

## Super 10 Shuttles Circular Loom SPCL-10/6000

**This large-scale high performance circular loom with full intellectual rights is based upon more than ten years' professional experience on circular loom design and running, its outstanding performance covers following three aspects:**

### 1. Trans-normal production capability

This circular loom is suitable to weaving fabrics of maximum width 6.05m、 unit weight 40~800g/m<sup>2</sup>, this sort of fabrics are widely used as geo-textile,canopy cloth,packing fabric, also available for fabrics with muscles and round thread besides slit film.

High efficiency and daily output 5000m<sup>2</sup> benefit from that ten shuttles weaving simultaneously.

### 2. Perfect quality control for fabrics

This circular loom can enhance the strength of fabrics up 5~15% than normal with special structure based upon advanced weaving principle.

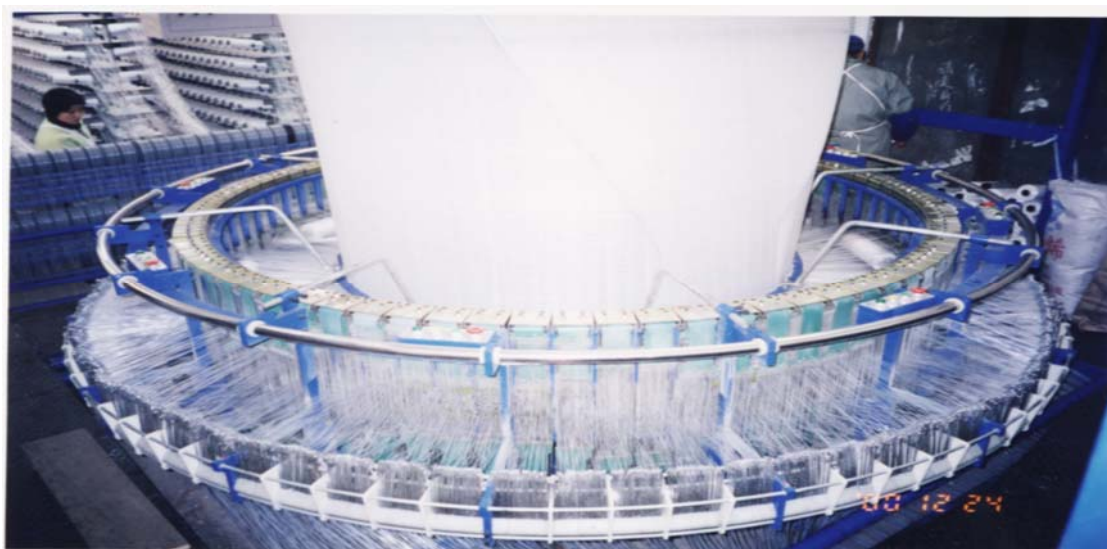
This circular loom adopts integrated control technology on warps and woofs, results that the torn hole not more than one per 500m<sup>2</sup>.

### 3. Three core technology for the loom ensure long-term stable running

<< **The Dovetail Slideway of Plastic Circular Loom** >>(patent no:ZL 96217570.6),3-D cam to drive and control weaving, computer proportional control for woof density adjusting are three core technology of this circular loom. They supersede necessary slide block, slide shank, shuttle wheel, gear wheel for woof density adjusting and other easy-torn parts on ordinary circular loom. The result is long-term stable running, reduced maintenance and running cost, high utilization of circular loom.

### Specification:

Item	Unit	Parameter
Shuttles	Piece	10
FabricWidth	Mm	6050 (max )
Warps	Piece	3200
Bobbin size	mm	φ38x230 (φ38x270)
Rotational speed	r/min	5~45
Main Power	Kw	11
Dimensions	Mm	15000x4600x5500
Weight	ton	9.6 or so



## Changsheng Geomaterial Science and Technology Limited Corp.

### BRIEF

We're specialized in design and development of weaving equipment with patented technologies and other kinds of machines for special purpose. The newly developed SPCL-12/8000 Super 12 Shuttles Circular Loom belongs to fifth generation, it can weave variety of plastic fabrics with width maximum 8.05m, unit weight 40~800g/m<sup>2</sup>, they can be used for :

1. wide width woven geo-textile
2. compound needle-punched geo-textile
3. compound geo-membrane
4. canopy/sail cloth
5. base fabrics for packing bag

Now we also provide plastic slit film fabrics with width within 6050mm, and accept indent for SPCL all series Super Circular Loom.

Please refer to our web sites for details. Any requirements and / or cooperation ideas are welcome!

<http://www.swallow-tail.net> email: [cspcl@yahoo.com](mailto:cspcl@yahoo.com)

Tel: 86 519 85505760 fax:86 519 85504778 , 86 0 13861016152 (Support in English)

### Memorabilia

Year/month	content	Generatiom
Oct 1990	Discovered and setup the new motion principle of shuttle of plastic circular loom	
March 1991	The new principle for shuttle motion leded to successful trial weaving on S-YZJ-4A Four Shuttles Circular Loom,this is the 2nd generation circular loom	2 <sup>nd</sup>
June 1993	S-YZJ-6/1600 Six Shuttles Circular Loom which based on the new motion principle of shuttle successfully worked out, this is 3rd generation circular loom	3 <sup>rd</sup>
Aug 1993	Applied for << patent of The Shuttle of Plastic Circular Loom>>	
July 1994	Received patent certificate of <b>The Shuttle of Plastic Circular Loom</b> from China Patent Bureau	
Oct 1996	Invented perfect structure to execute shuttle motion, applied for patent of <b>The Dovetail Slideway of Plastic Circular Loom</b>	
Aug 1997	Successfully manufactured heavy-duty Eight Shuttles Plastic Circular Loom with utilization of <b>The Dovetail Slideway of Plastic Circular</b>	4 <sup>th</sup>

	<b>Loom technology</b>		
Jan 1998	Received patent certificate of <b>The Dovetail Slideway of Plastic Circular Loom</b> from China Patent Bureau		
July 1999	Finished design of super circular loom series (SPCL-10/6000,SPCL-12/8000)		
Aug 2000	Successfully developed Super Ten Shuttles Plastic Circular Loom SPCL-10/6000 integrated with several advanced technology, this is just the 5th generation circular loom		5 <sup>th</sup>
Sep 2000	<a href="http://www.cspcl.com">http://www.cspcl.com</a> for super circular loom and Changsheng Ltd. corp. put to operation		
Dec 2000	First batch 40000m <sup>2</sup> geo-textile produced from Super 10 Shuttles Circular Loom		
Jan 2001	Forum for super circular loom on <a href="http://www.cspcl.com">http://www.cspcl.com</a> put to operation		
Dec 2004	The world's first 12 shuttle circular loom SPCL-12/8000 borns and delivered		