

CPT Spargers for Leaching Processes								Updated: MARCH 2009	
No.	Mining Company	Country	Year of Order	No. of Spargers	Type	OAL	Application	Tank Size	
1	Minera Aurífera S.A. (MARSA)	Perú	1994	10	Air/Water Sparger	1960 mm	Au Leach Tank	6.00 m Dia. x 6.00 m H	
2	Minera Aurífera S.A. (MARSA)	Perú	1996	4	SparJet	1645 mm	Au Leach tank	6.00 m Dia. x 6.00 m H	
3	Minera Aurífera S.A. (MARSA)	Perú	1997	8	SparJet	425 mm	Conditioning Tank	6.00 m Dia. x 6.00 m H	
4	Consorcio Minero Horizonte	Perú	1997	4	SparJet	1645 mm	Au Leach Tank	6.00 m Dia. x 6.00 m H	
5	Cia. de Minas Buenaventura (Orcopampa)	Perú	1997	4	SparJet	515 mm	Ag Leach Tank	1.83 m Dia. x 7.31 m H	
6	Mina de San Luis Corp.	México	1997	4	SparJet	1645 mm	Ag Leach Tank	9.14 m Dia. x 9.14 m H	
7	Tayolita	México	1997	4	SpaJet	1830 mm	Au /Ag Leach Tank	9.14 m Dia. x 9.14 m H	
8	Minera Laytaruma S.A.	Perú	1997	4	SparJet	915 mm	Au Leach Tank	3.35 m Dia. x 4.27 m H	
9	Lepanto Consolidated Mining Co.	Philippines	1997	7	SparJet	515 mm	Adsorption Tank	5.70 m Dia. x 6.30 m H	
10	Philex Gold Philippines inc.	Philippines	1997	12	SparJet	515 mm	Au Leach Tank	9.14 m Dia. x 10.67 m H	
11	Minera Aurífera S.A. (MARSA)	Perú	1997	8	SparJet	425 mm	Conditioning Tank	6.00 m Dia. x 6.00 m H	
12	Cia. Minera Nukay S.A.	México	1997	4	SparJet	515 mm	Conditioning Tank	6.00 m Dia. x 6.00 m H	
13	Lepanto Consolidated Mining Co.	Philippines	1997	4	SparJet	515 mm	Adsorption Tank	5.70 m Dia. x 6.30 m H	
14	Kinross Gold	Canada	1997	8	SparJet	915 mm	Au Leach Tank	9.14 m Dia. x 9.14 m H	
15	Minera Aurífera S.A. (MARSA)	Perú	1998	8	SparJet	425 mm	Conditioning Tank	6.00 m Dia. x 6.00 m H	
16	Lepanto Consolidated Mining Co.	Philippines	1998	76	SparJet	1645 mm 515 mm	Adsorption Tanks Au Leach Tanks	12.30 m Dia. x 12.90 m H 5.70 m Dia. x 6.30 m H	
17	Mina de San Luis Corp.	México	1998	8	SparJet	1645 mm	Ag Leach Tank	9.14 m Dia. x 9.14 m H	
18	Mineras Bonanza, C.A.	Venezuela	1998	6	SlamJet	615 mm	Au Pre-leach Tank	4.00 m Dia. x 8.00 m H	
19	Cia. Minera del Cubo	Mexico	1998	6	SparJet	1645 mm	Au Leach Tank	9.14 m Dia. x 9.14 m H	
20	Minera Aurífera S.A. (MARSA)	Perú	1999	8	SparJet	610 mm	Conditioning Tank	6.00 m Dia. x 6.00 m H	
21	Servicios Industriales Peñoles-La Cienega	México	1999	4	SparJet	915 mm	Au Leach Tank	12.90 m Dia. x 10.06 m H	
22	Philex Gold Philippines Ltd.	Philippines	1999	24 34	SparJet SparJet	1830 mm 1100 mm	Au Leach Tank Au Leach Tank	9.14 m Dia x 10.67 m H 7.31 m Dia x 7.92 m H	
23	SVEDALA - México	México	2000	2	SparJet	610 mm	Au Leach Tank	3.35 m Dia. x 4.27 m H	
24	IMMSA - México	México	2000	6	SlamJet	700 mm	Ag Leach Tank	4.48 m Dia. SS Reactor	
25	Manila Mining	Philippines	2000	8	SlamJet	700 mm	Au Leach Tank	16.46 m Dia. x 14.63 m H	
26	Goldcorp Inc.	Canada	2000	8	SlamJet	680 mm	Au Leach Tank	9.14 m Dia. x 9.14 m H	
27	Kumtor Gold	Russia	2000	4	SlamJet	850 mm	Au Leach Tank	14.50 m Dia x 14.50 m H	
28	Newmont Gold	USA	2000	12	C-Jet Spargers	1150 mm	Au CIL Tank	9.14 m Dia	
29	Cryoinfra S.A.	México	2002	4	SlamJet	1170 mm	Au Leach Tank	6.00 m Dia. x 6.00 m H	
30	PlacerDome- Musselwhite	Canada	2003	2	SlamJet	985 mm	Au Leach Tank	13.00 m Dia.	
31	Plata Pan-Americana	México	2003	4	SlamJet	1170 mm	Ag Leach Tank	7.62 m Dia. x 8.38 m H	
32	Geita Gold	Tanzania	2004	4	SlamJet	985 mm	Au Leach Tank	14.00 m Dia x 15.00 m H	
33	Cryoinfra S.A.	México	2004	4	SlamJet	1290 mm	Au Leach Tank	6.00 m Dia. x 6.00 m H	
34	Servicios Industriales Peñoles - La Cienega	México	2004	2	SparJet	1570 mm	Au Leach Tank	7.00 m Dia. x 8.00 m H	
35	Servicios Industriales Peñoles	México	2004	12	SlamJet	680/1290 mm	CN Destruction	7.00 m Dia. x 8.00 m H	
36	Minera Aurífera S.A. (MARSA)	Perú	2005	8	SparJet	610 mm	Au Leach Tank	6.00 m Dia. x 6.00 m H	
37	Servicios Industriales Peñoles - La Cienega	México	2005	4	SlamJet	680 mm	Au Leach Tank	6.00 m Dia. x 6.00 m H	
38	Servicios Industriales Peñoles - La Cienega	México	2005	4	SlamJet	680 mm	Au Leach Tank	6.00 m Dia. x 6.00 m H	
39	Luna Polymetall	Russia	2006	22	SlamJet	770/1290 mm	Au Leach Tank		
40	Montana Exploradora	Guatemala	2006	40	SlamJet	985/1290 mm	Au Leach Tank	16.00 m Dia. x 17.50 m H	
41	Cross Lake Minerals	Canada	2007	8	SlamJet	1290 mm	Au Leach tank	9.14 m Dia. x 10.00 m H	
42	Luna Polymetall	Russia	2007	22	SlamJet	770/1290 mm	Au Leach Tank		
43	Servicios Industriales Peñoles - La Cienega	México	2007	4	SlamJet	680 mm	Au Leach Tank	6.00 m Dia. x 6.00 m H	
44	Minera Aurífera S.A. (MARSA)	Perú	2007	8	SparJet	610 mm	Au Leach Tank	6.00 m Dia. x 6.00 m H	
45	Montana Exploradora	Guatemala	2007	14	SlamJet	985/1290 mm	Au Leach Tank	16.00 m Dia. x 17.5 m H	
46	Matrasova	Russia	2007	14	SlamJet	680 mm	Au Leach Tank		
47	MSOL	Brasil	2008	70	SlamJet	680/985/1290 mm	Au Leach Tank	9.60 m Dia. x 9.60 m H	
48	Luna Polymetall	Russia	2008	22	SlamJet	770/1290 mm	Au Leach Tank		
49	MSOL	Brasil	2008	8	SlamJet	680/1290 mm	Au Leach Tank	9.60 m Dia. x 9.60 m H	
50	Barrick - Pierina	Perú	2008	10	SlamJet	680 mm	Au Leach Hopper Tank	15.00 m Dia. x 12.70 m H	
51	MSOL	Brasil	2009	32	SlamJet	680/1290 mm	Au Leach Tank	9.60 m Dia. x 9.60 m H	
52	Rice Lake Gold Corp.	Canada	2009	1	Slamjet	985 mm	Au Leach Tank	3.60 m Dia. x 3.60 m H	
				<b>Total:</b>					
				<b>622</b>					
<b>Total Companies</b>		<b>30</b>							
<b>Total Countries</b>		<b>9</b>							
<b>Number of Spargers</b>		<b>622</b>							